

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082520\
 Data File : VD066407.D
 Acq On : 25 Aug 2020 17:29
 Operator : VA/SY
 Sample : L3787-01RE
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20071RE

Quant Time: Aug 26 08:05:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	41219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	79627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	15792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	5284	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	57920	143.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.66%	
35) Dibromofluoromethane	7.91	113	44152	88.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	177.34%	
50) Toluene-d8	10.33	98	33953	18.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.28%	
62) 4-Bromofluorobenzene	12.63	95	4228	6.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.08%	

Target Compounds

					Qvalue	
3) Chloromethane	2.31	50	942	3.792	ug/l #	43
11) Tert butyl alcohol	5.23	59	345072	18016.511	ug/l	99
15) Acrylonitrile	5.21	53	3967	60.850	ug/l #	25
16) Acetone	4.15	43	1339	18.379	ug/l #	46
17) Carbon Disulfide	4.41	76	1366	1.342	ug/l #	74
20) Methylene Chloride	4.96	84	8762	18.519	ug/l #	90
25) 2-Butanone	7.49	43	16375372	197990.457	ug/l #	47
29) Tetrahydrofuran	7.49	42	5188086	110438.831	ug/l #	28
30) Chloroform	7.49	83	52573	74.064	ug/l #	19
31) Cyclohexane	7.97	56	1511	2.693	ug/l #	70
36) 1,1-Dichloropropene	7.98	75	2438	3.356	ug/l #	48
37) Ethyl Acetate	7.49	43	23055869	93302.177	ug/l #	67
38) Carbon Tetrachloride	7.97	117	4293	4.535	ug/l #	20
39) Methylcyclohexane	9.34	83	1849	2.160	ug/l #	68
41) Methacrylonitrile	7.49	41	19057502	125059.609	ug/l #	86
43) Isopropyl Acetate	8.61	43	108410	218.576	ug/l #	49
48) Methyl methacrylate	9.38	41	366	1.431	ug/l #	7
52) Toluene	10.40	92	5317	4.106	ug/l	89
55) 1,1,2-Trichloroethane	10.77	97	1273	3.486	ug/l #	16
59) 2-Hexanone	10.84	43	2124	12.550	ug/l	69
67) Ethyl Benzene	11.75	91	2786	5.038	ug/l #	81
68) m/p-Xylenes	11.84	106	3954	18.758	ug/l	82
69) o-Xylene	12.18	106	2272	11.586	ug/l	99
70) Styrene	12.20	104	1819	5.402	ug/l #	75
73) Isopropylbenzene	12.48	105	1310	3.701	ug/l	86
74) N-amyl acetate	12.30	43	261	4.083	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.70	83	757	14.971	ug/l #	46
76) 1,2,3-Trichloropropane	12.73	75	454	12.213	ug/l #	1
78) n-propylbenzene	12.82	91	2329	5.738	ug/l	98
79) 2-Chlorotoluene	12.89	91	1039	4.482	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.96	105	4618	15.110	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.63	75	2022	115.461	ug/l #	10
82) 4-Chlorotoluene	13.00	91	362	1.474	ug/l #	40
83) tert-Butylbenzene	13.46	119	2114	7.964	ug/l	95

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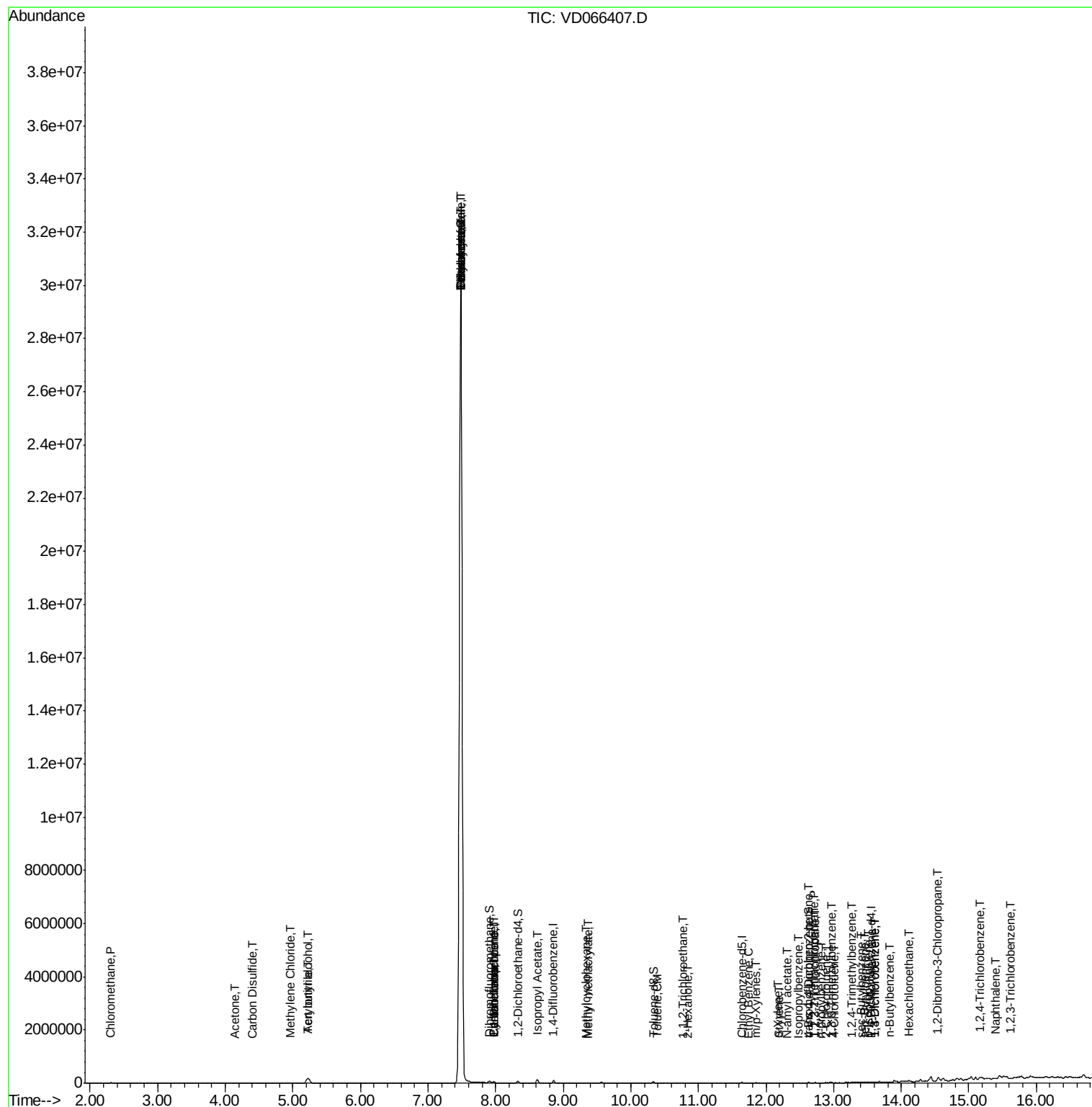
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	13.27	105	11035	36.761	ug/l	91
85) sec-Butylbenzene	13.41	105	3279	9.428	ug/l	79
86) p-Isopropyltoluene	13.52	119	2496	7.443	ug/l	85
87) 1,3-Dichlorobenzene	13.60	146	191	1.139	ug/l #	1
88) 1,4-Dichlorobenzene	13.60	146	191	1.134	ug/l #	1
89) n-Butylbenzene	13.84	91	1454	4.913	ug/l #	41
90) Hexachloroethane	14.13	117	656	9.902	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.53	75	206	19.424	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.16	180	2168	19.235	ug/l #	1
95) Naphthalene	15.40	128	9988	56.421	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.61	180	2794	28.938	ug/l #	13

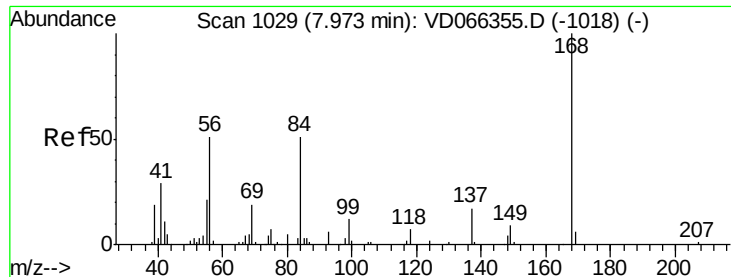
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

Instrument :

MSVOA_D

ClientSampleId :

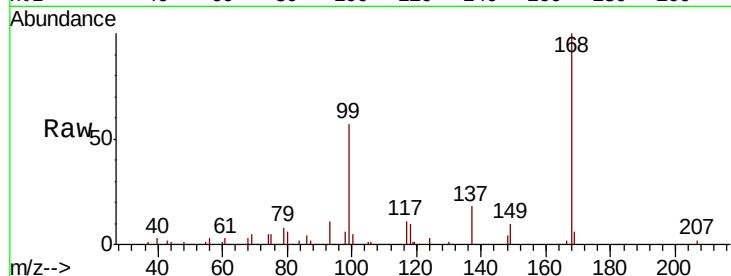
20071RE

Tot Ion:168 Resp: 41219

Ion Ratio Lower Upper

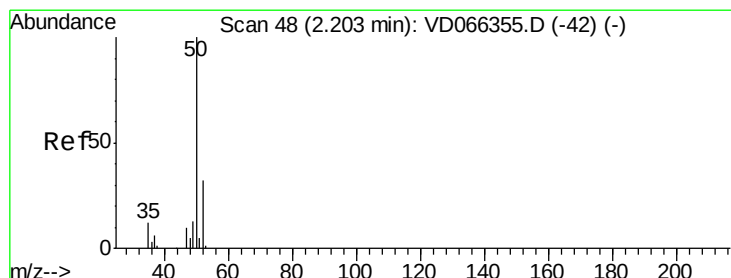
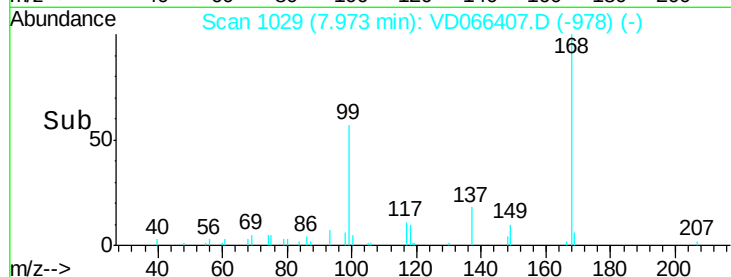
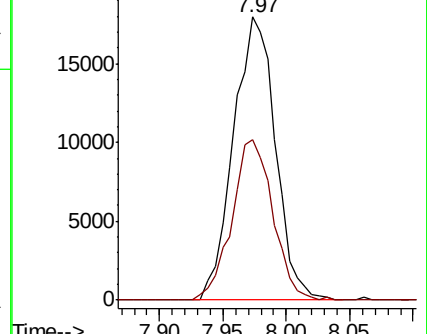
168 100

99 56.6 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: 3.792 ug/l

RT: 2.31 min Scan# 67

Delta R.T. 0.11 min

Lab File: VD066407.D

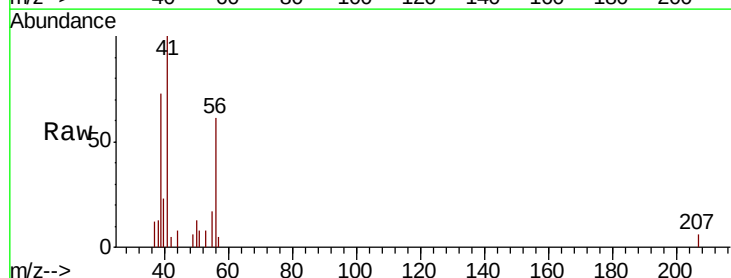
Acq: 25 Aug 2020 17:29

Tgt Ion: 50 Resp: 942

Ion Ratio Lower Upper

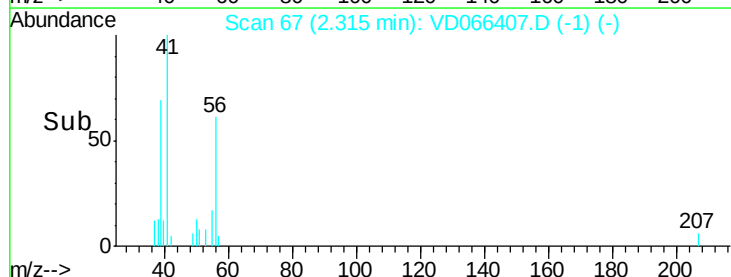
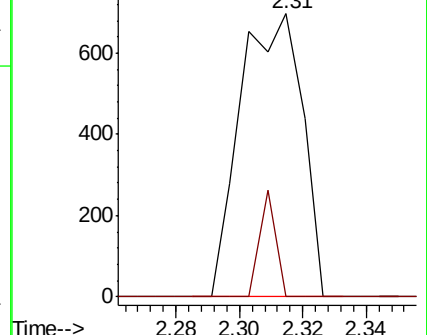
50 100

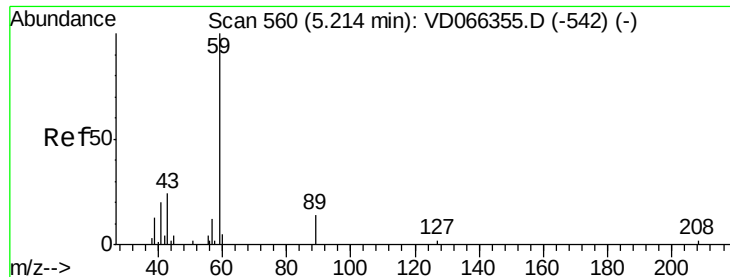
52 0.0 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

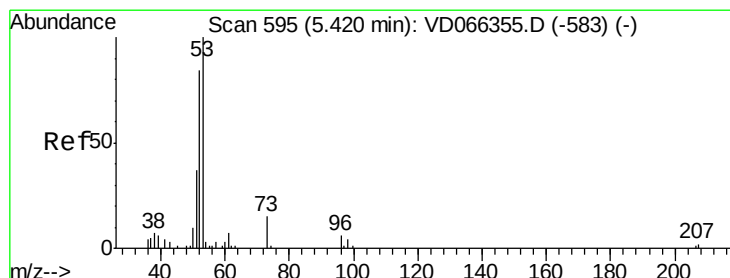
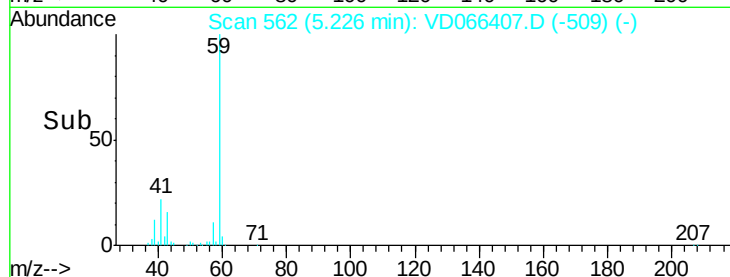
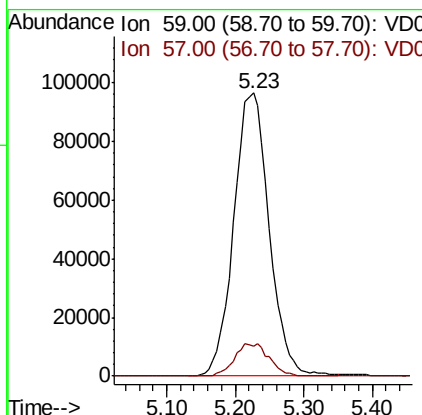
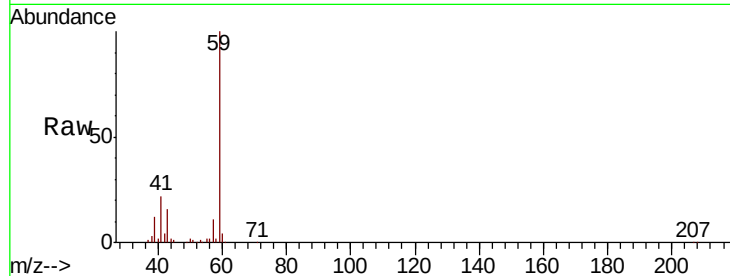




#11
Tert butyl alcohol
Concen: 18016.511 ug/l
RT: 5.23 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

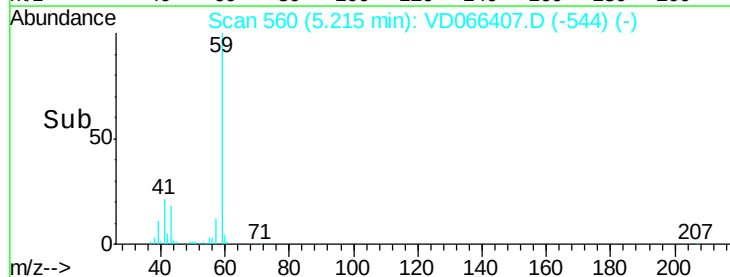
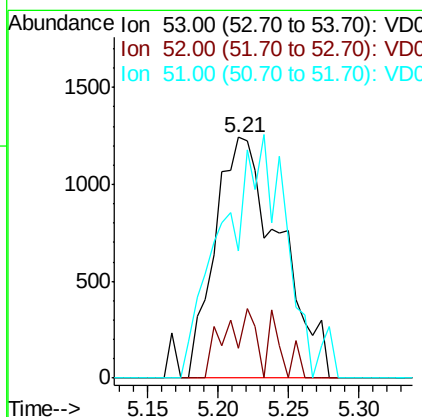
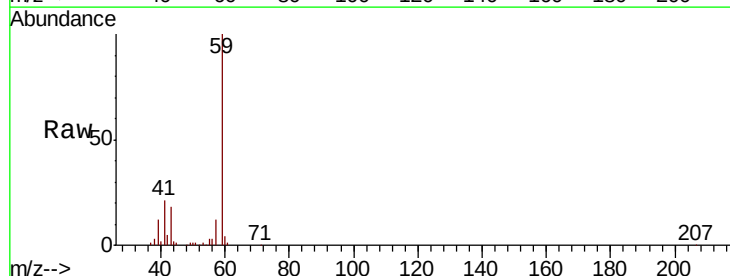
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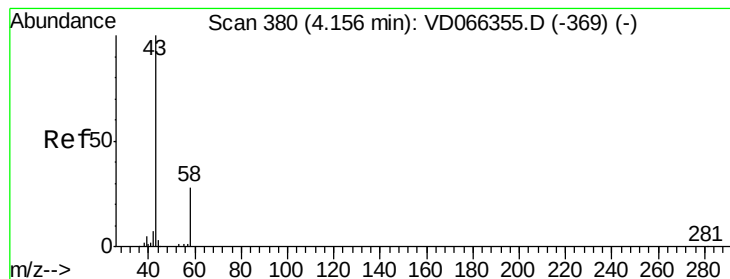
Tot Ion: 59 Resp: 345072
Ion Ratio Lower Upper
59 100
57 11.4 9.0 13.4



#15
Acrylonitrile
Concen: 60.850 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.21 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Tgt Ion: 53 Resp: 3967
Ion Ratio Lower Upper
53 100
52 13.4 68.1 102.1#
51 0.0 33.8 50.6#





#16

Acetone

Concen: 18.379 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

Instrument :

MSVOA_D

ClientSampleId :

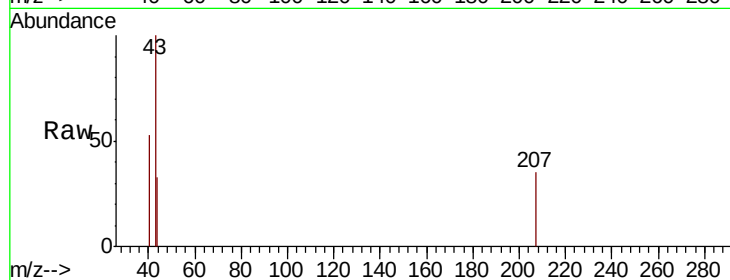
20071RE

Tot Ion: 43 Resp: 1339

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.15

800

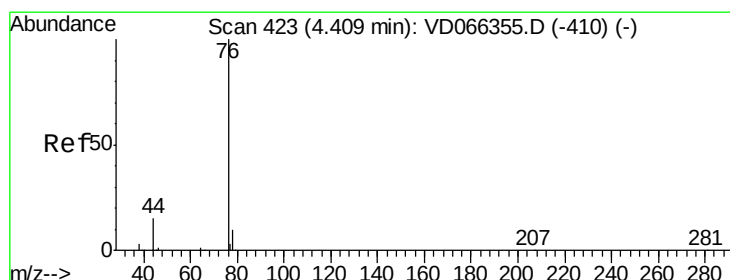
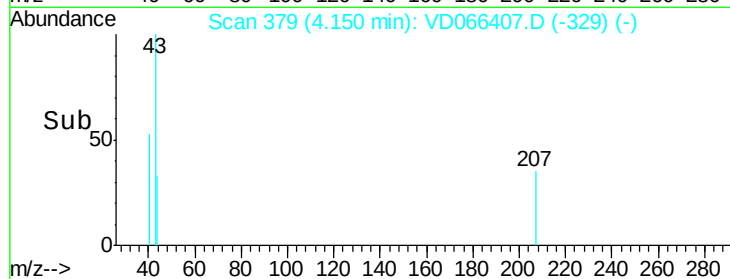
600

400

200

0

Time-->



#17

Carbon Disulfide

Concen: 1.342 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066407.D

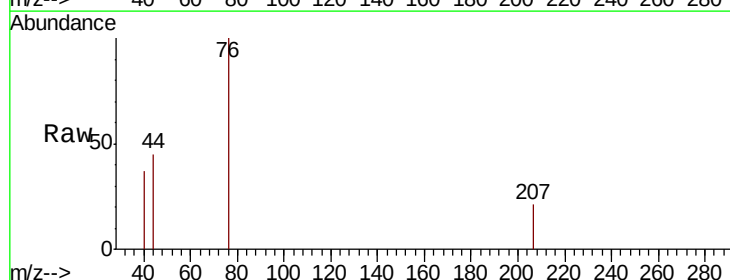
Acq: 25 Aug 2020 17:29

Tgt Ion: 76 Resp: 1366

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

800

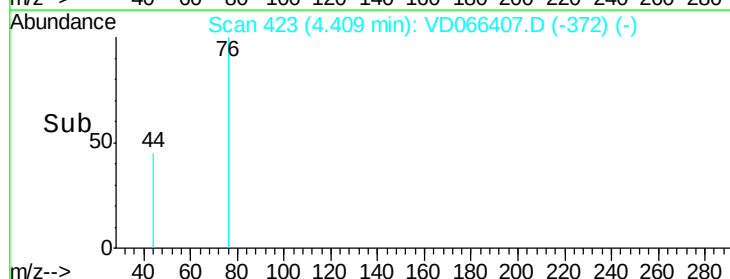
600

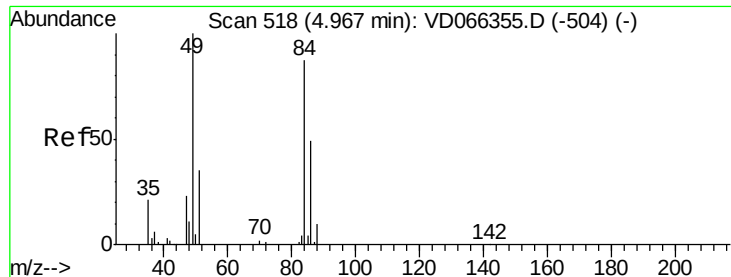
400

200

0

Time-->

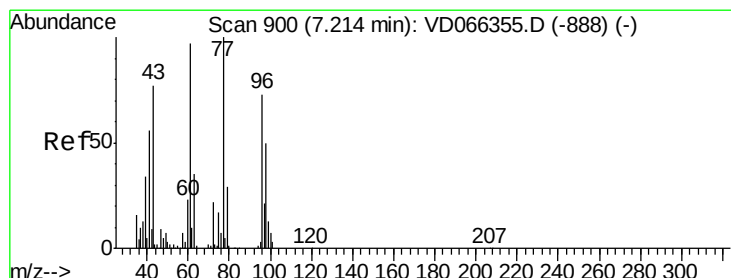
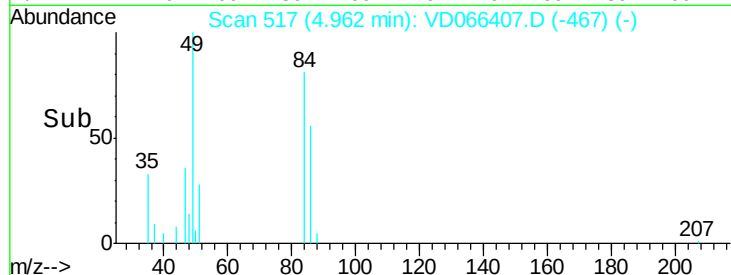
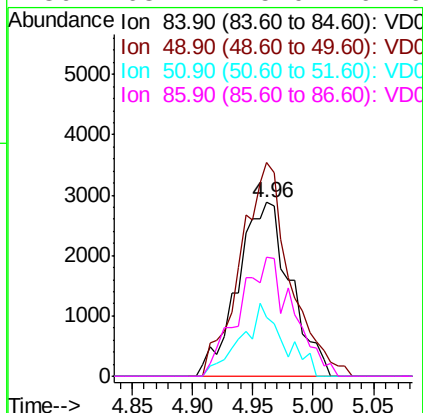
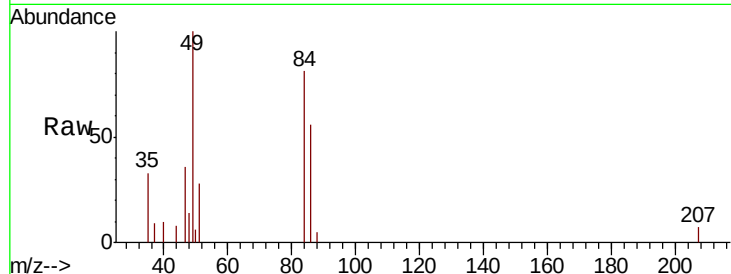




#20
Methylene Chloride
Concen: 18.519 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

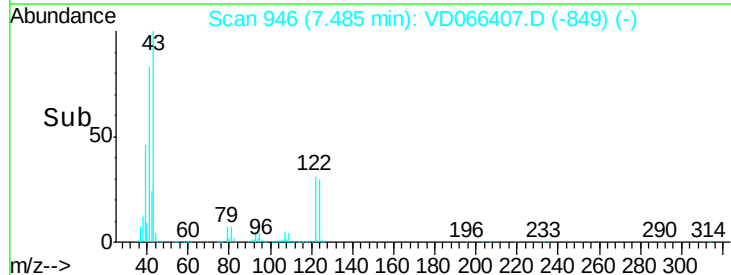
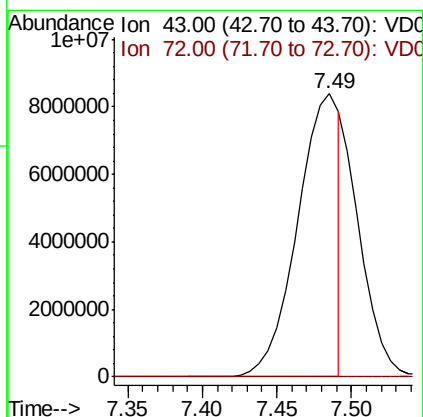
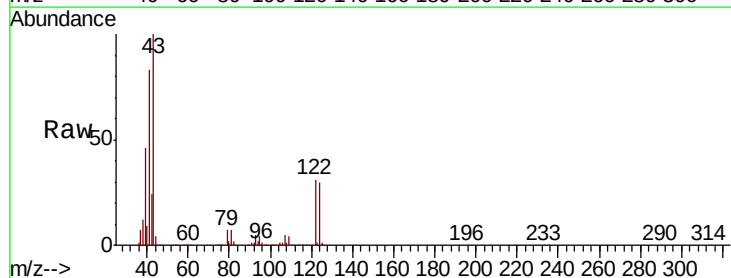
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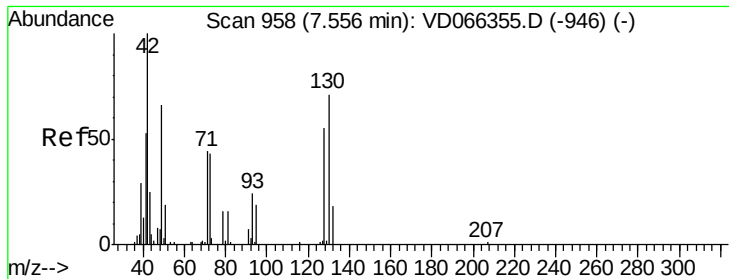
Tot Ion: 84 Resp: 8762
Ion Ratio Lower Upper
84 100
49 123.0 92.5 138.7
51 34.1 32.5 48.7
86 68.4 45.0 67.6#



#25
2-Butanone
Concen: 197990.457 ug/l
RT: 7.49 min Scan# 946
Delta R.T. 0.27 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Tgt Ion: 43 Resp:16375372
Ion Ratio Lower Upper
43 100
72 0.0 22.5 33.7#

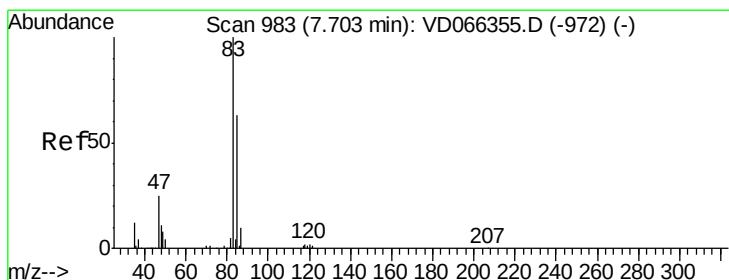
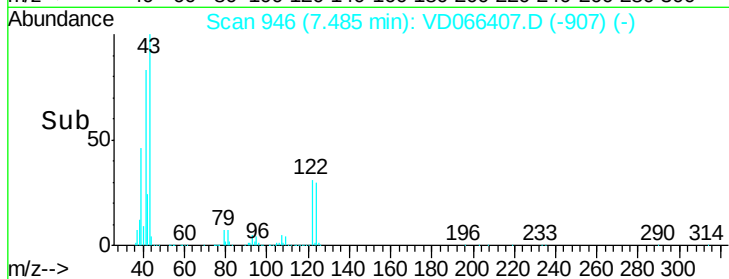
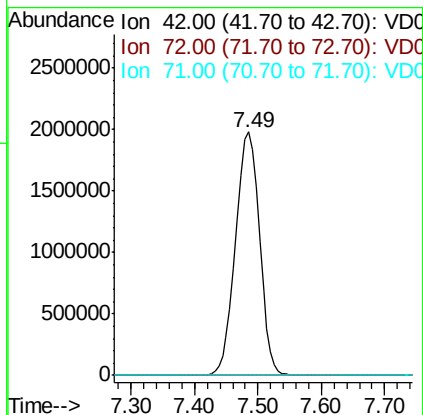
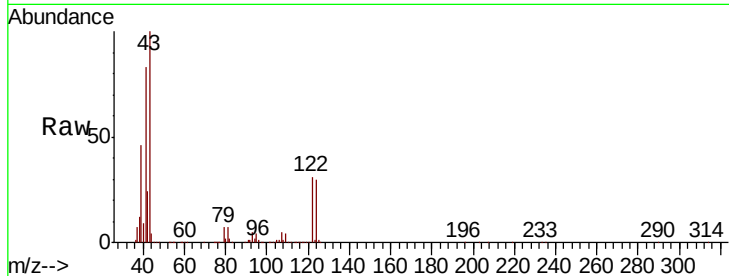




#29
Tetrahydrofuran
Concen: 110438.831 ug/l
RT: 7.49 min Scan# 946
Delta R.T. -0.07 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

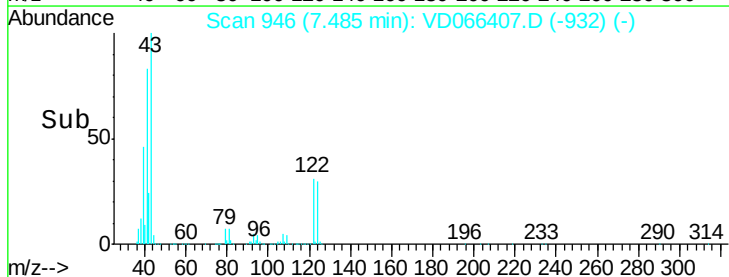
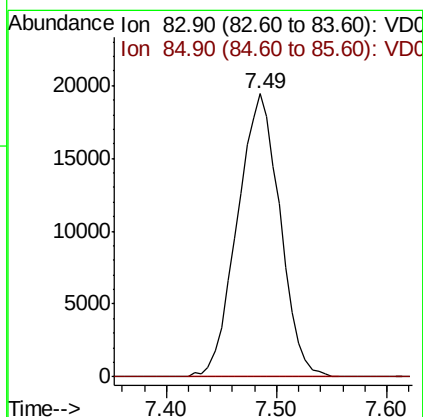
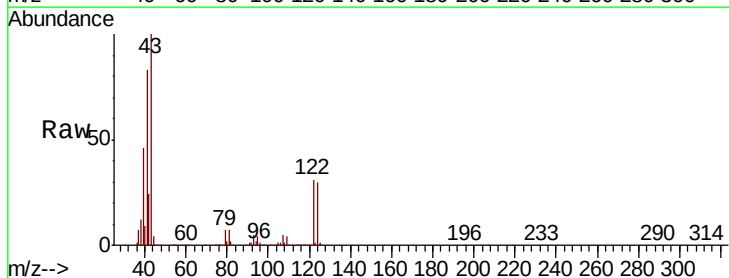
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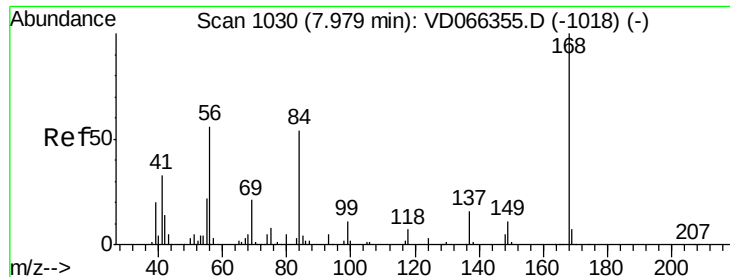
Tot Ion: 42 Resp: 5188086
Ion Ratio Lower Upper
42 100
72 0.0 41.0 61.4#
71 0.0 37.2 55.8#



#30
Chloroform
Concen: 74.064 ug/l
RT: 7.49 min Scan# 946
Delta R.T. -0.22 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Tgt Ion: 83 Resp: 52573
Ion Ratio Lower Upper
83 100
85 0.0 50.3 75.5#

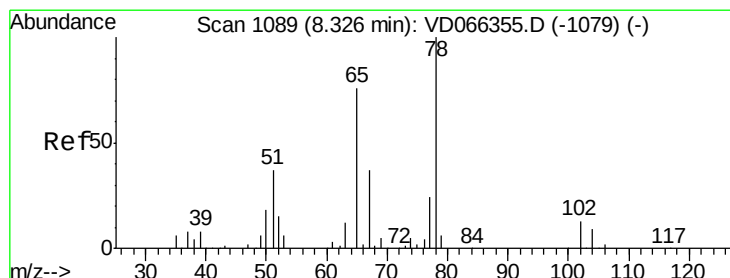
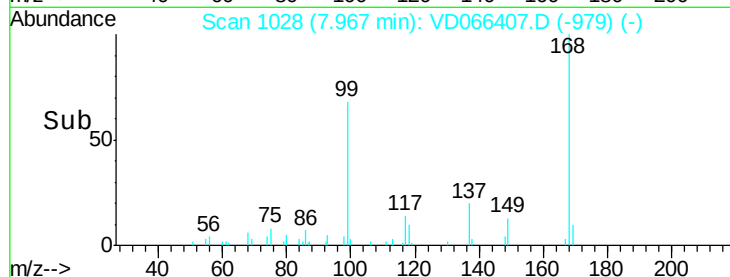
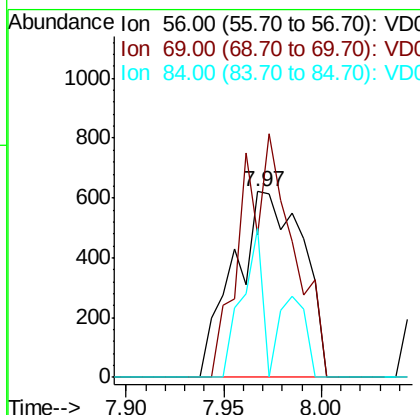
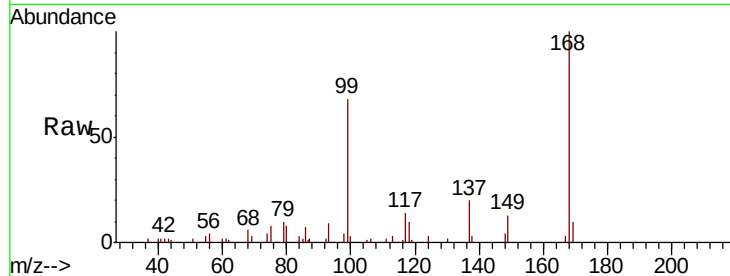




#31
Cyclohexane
Concen: 2.693 ug/l
RT: 7.97 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

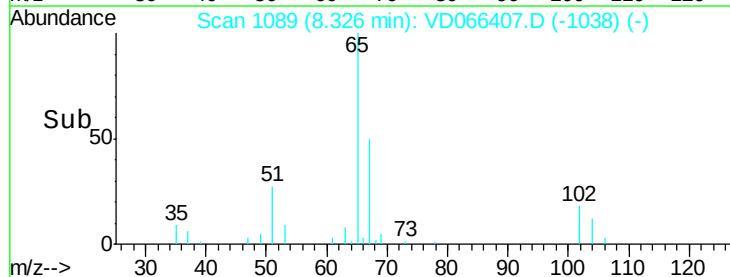
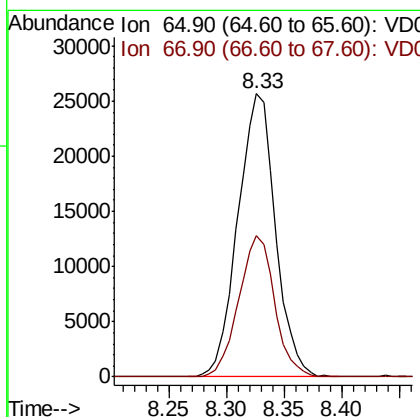
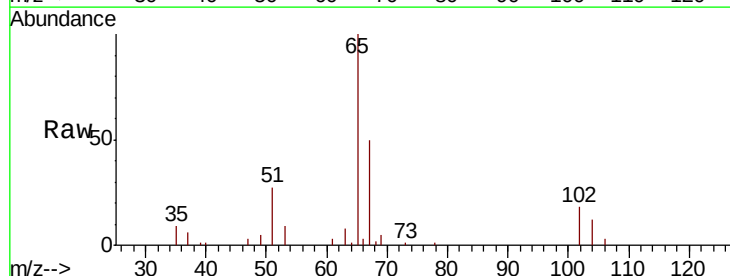
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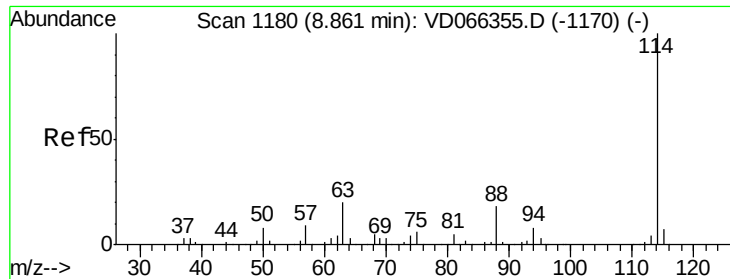
Tot Ion: 56 Resp: 1511
Ion Ratio Lower Upper
56 100
69 76.7 29.6 44.4#
84 80.5 76.6 115.0



#33
1,2-Dichloroethane-d4
Concen: 143.328 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Tgt Ion: 65 Resp: 57920
Ion Ratio Lower Upper
65 100
67 47.7 0.0 101.6

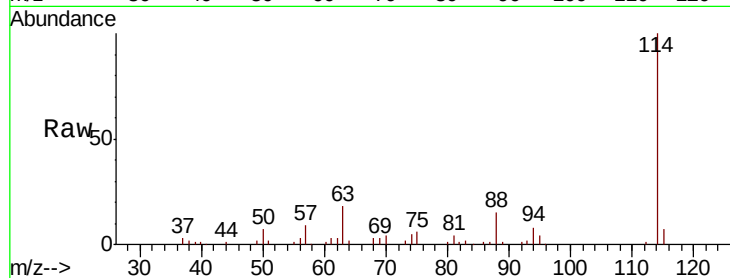




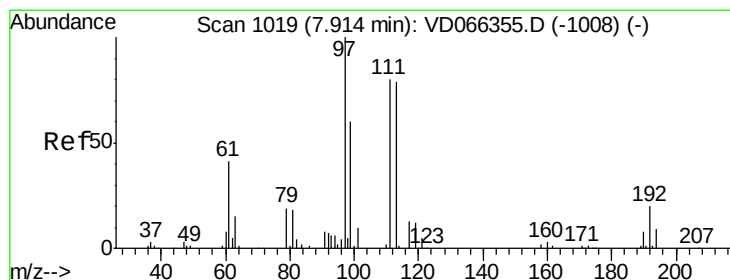
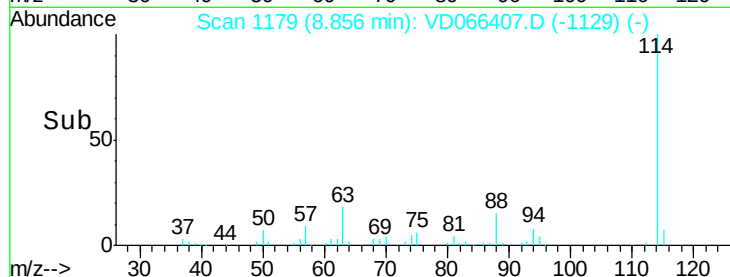
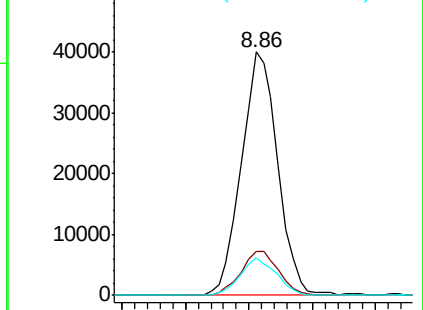
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Instrument :
MSVOA_D
ClientSampled :
20071RE

Tot Ion:114 Resp: 79627
Ion Ratio Lower Upper
114 100
63 18.1 0.0 40.8
88 15.4 0.0 35.4

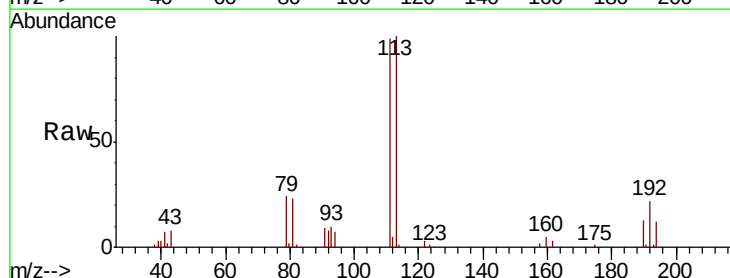


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

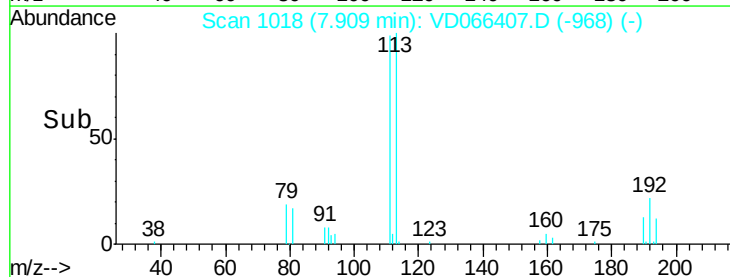
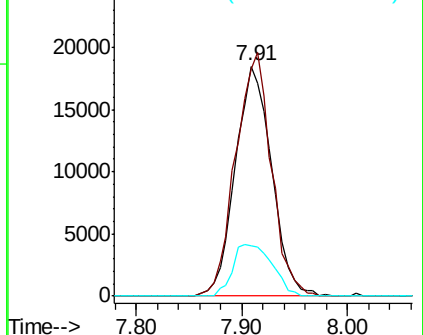


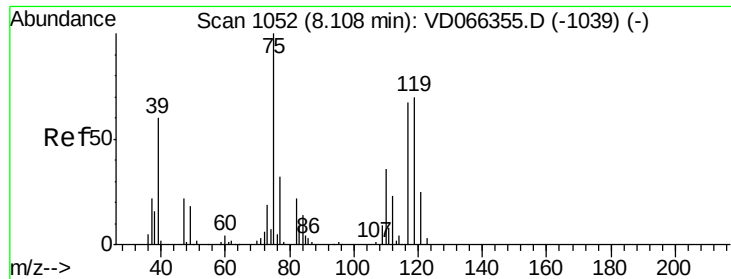
#35
Dibromofluoromethane
Concen: 88.674 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Tgt Ion:113 Resp: 44152
Ion Ratio Lower Upper
113 100
111 103.7 80.3 120.5
192 24.2 19.0 28.6



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.356 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

Instrument :

MSVOA_D

ClientSampled :

20071RE

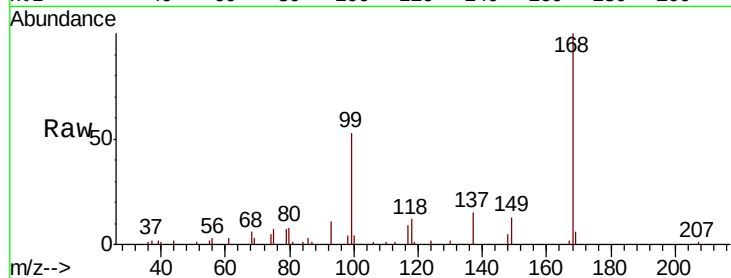
Tot Ion: 75 Resp: 2438

Ion Ratio Lower Upper

75 100

110 8.9 18.7 56.1#

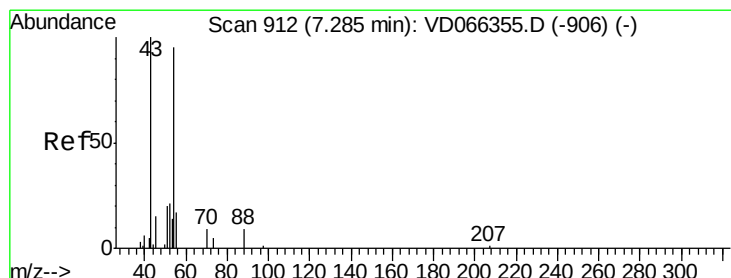
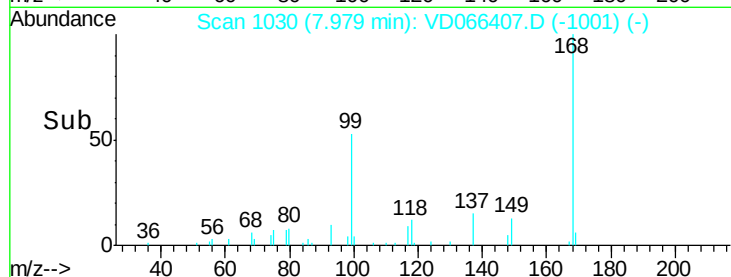
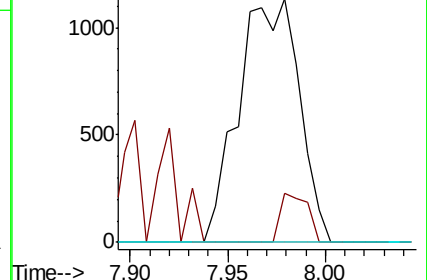
77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: 93302.177 ug/l

RT: 7.49 min Scan# 946

Delta R.T. 0.20 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

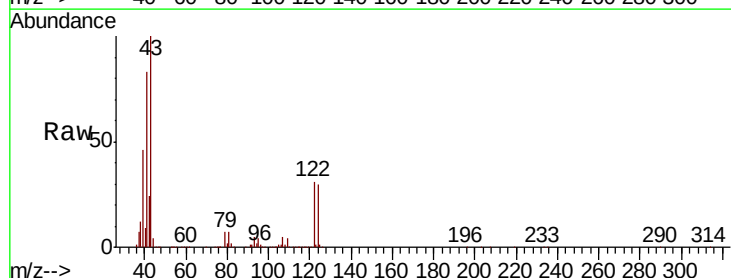
Tgt Ion: 43 Resp: 23055869

Ion Ratio Lower Upper

43 100

61 0.0 13.3 19.9#

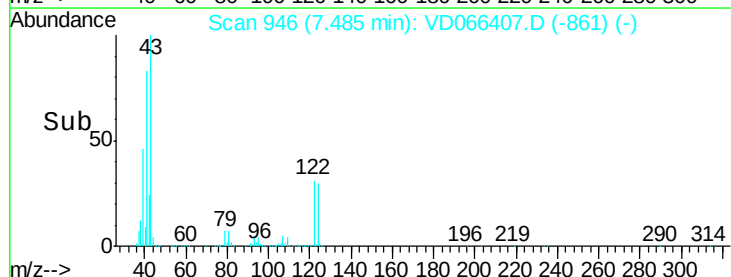
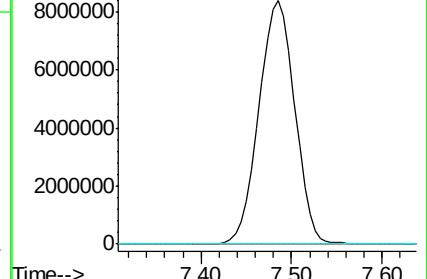
70 0.0 3.5 5.3#

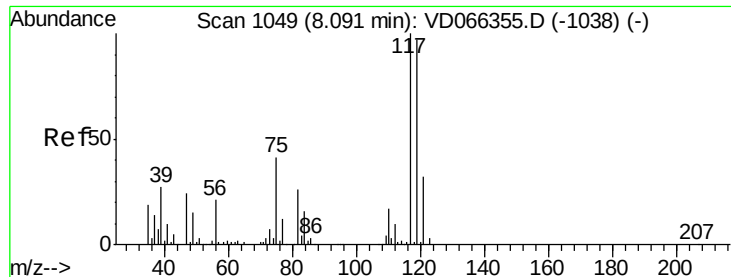


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 4.535 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.12 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

Instrument :

MSVOA_D

ClientSampleId :

20071RE

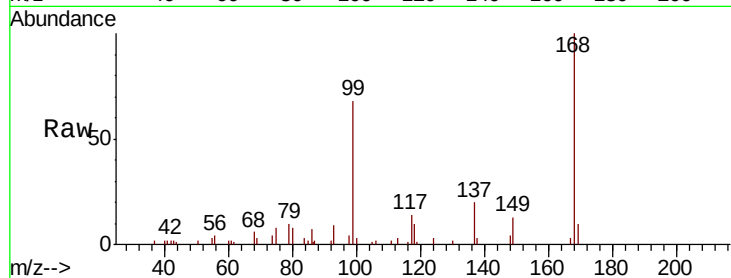
Tot Ion:117 Resp: 4293

Ion Ratio Lower Upper

117 100

119 10.6 77.2 115.8#

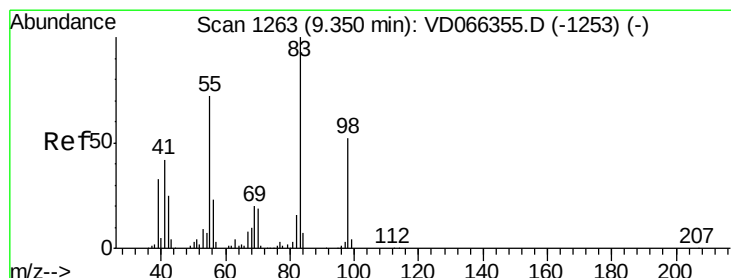
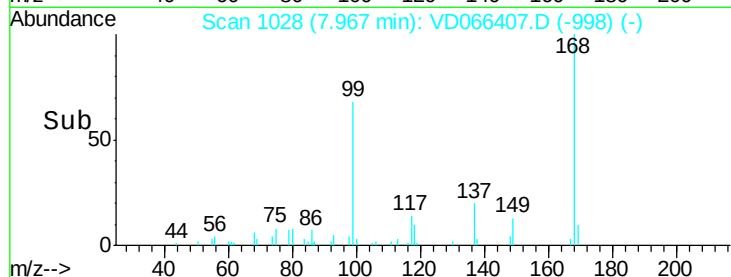
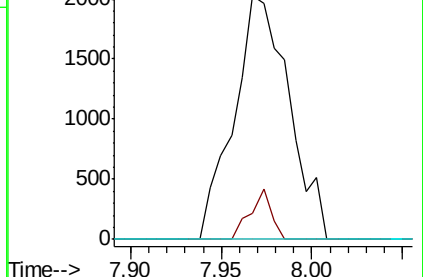
121 0.0 25.8 38.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 2.160 ug/l

RT: 9.34 min Scan# 1262

Delta R.T. -0.01 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

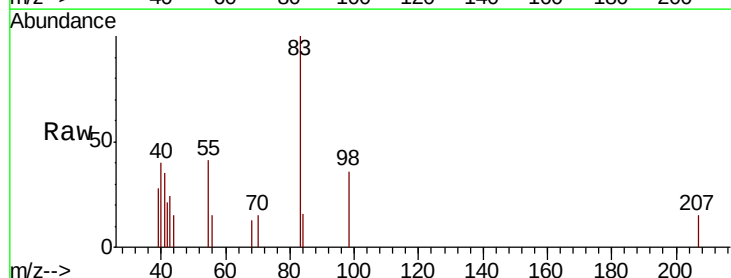
Tgt Ion: 83 Resp: 1849

Ion Ratio Lower Upper

83 100

55 41.2 58.0 87.0#

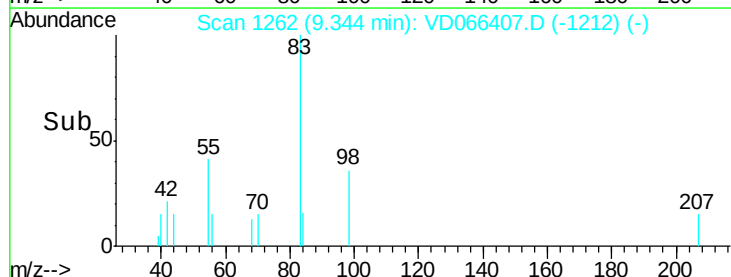
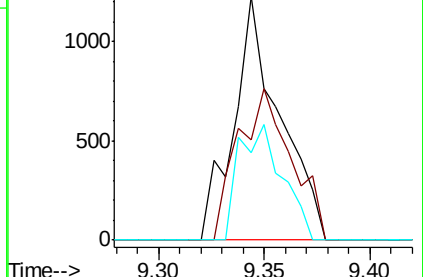
98 35.9 41.9 62.9#

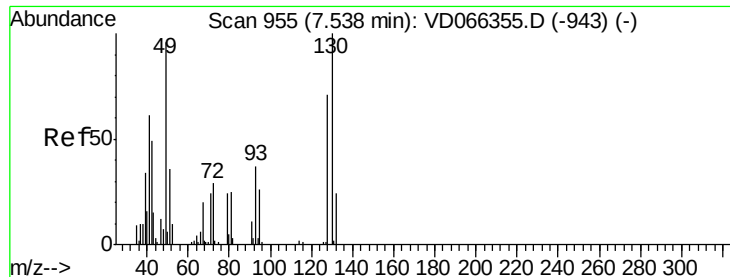


Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC



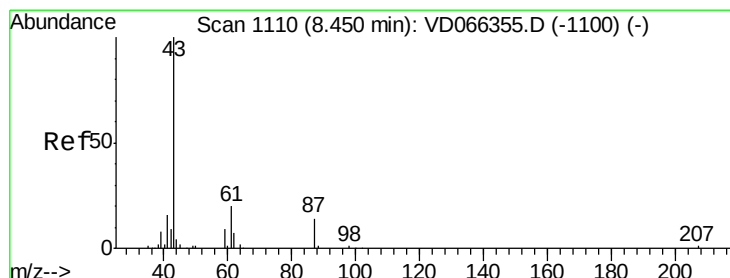
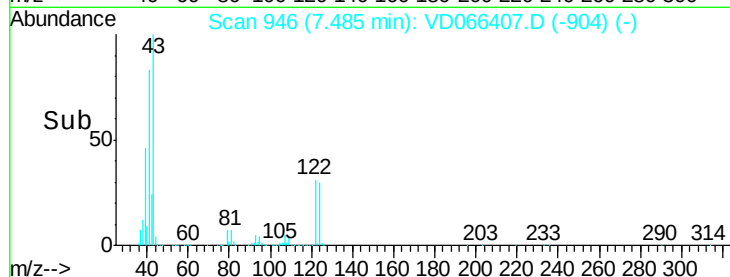
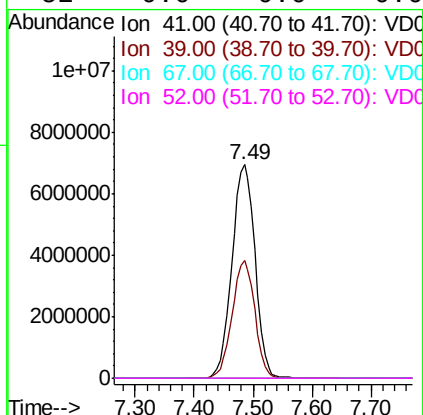
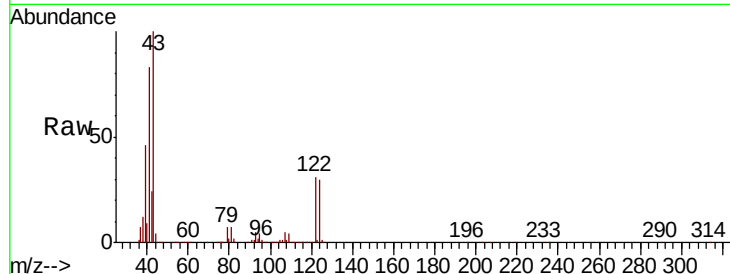


#41
Methacrylonitrile
Concen: 125059.609 ug/l
RT: 7.49 min Scan# 946
Delta R.T. -0.05 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Instrument :
MSVOA_D
ClientSampleId :
20071RE

Tot Ion: 41 Resp:19057502

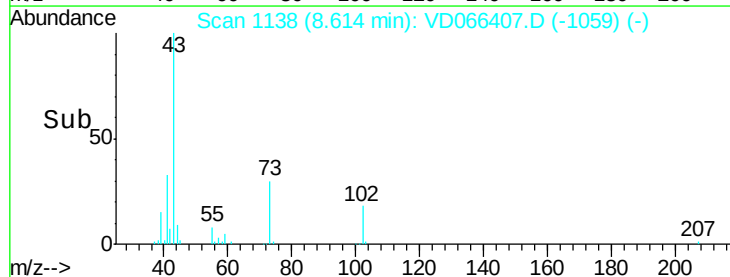
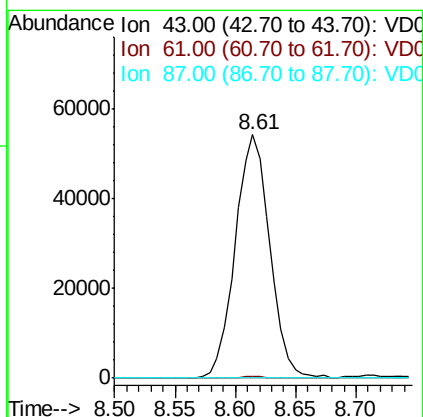
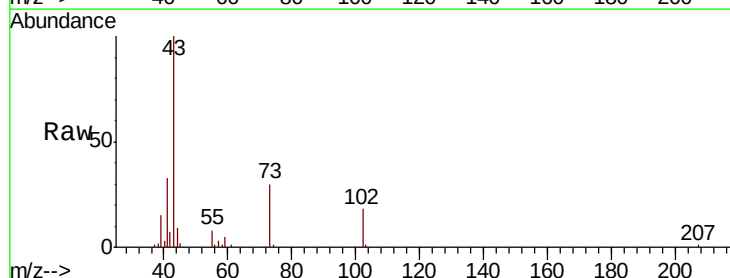
Ion	Ratio	Lower	Upper
41	100		
39	54.0	51.8	77.8
67	0.0	0.0	0.0
52	0.0	0.0	0.0#

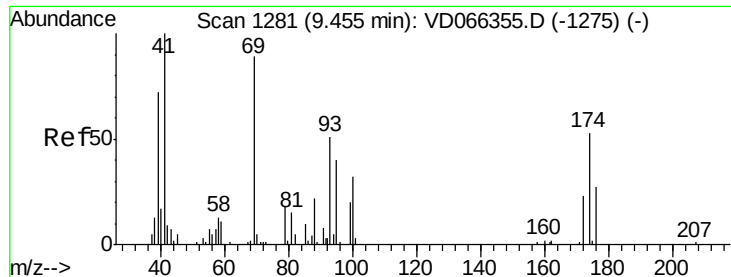


#43
Isopropyl Acetate
Concen: 218.576 ug/l
RT: 8.61 min Scan# 1138
Delta R.T. 0.16 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Tgt Ion: 43 Resp: 108410

Ion	Ratio	Lower	Upper
43	100		
61	0.5	26.5	39.7#
87	0.0	11.9	17.9#

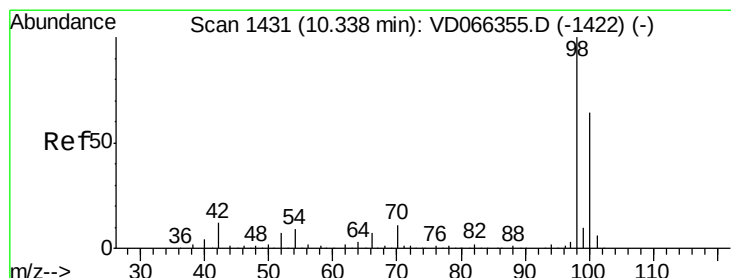
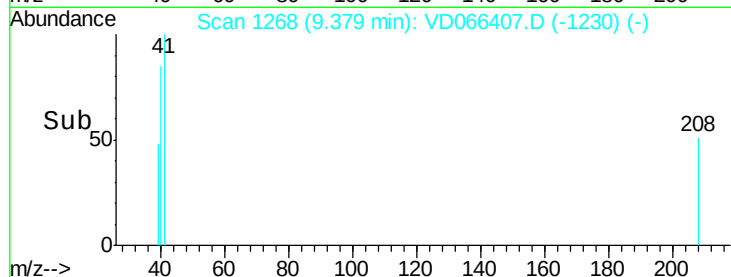
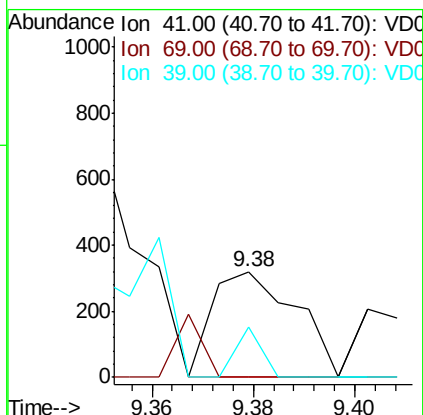
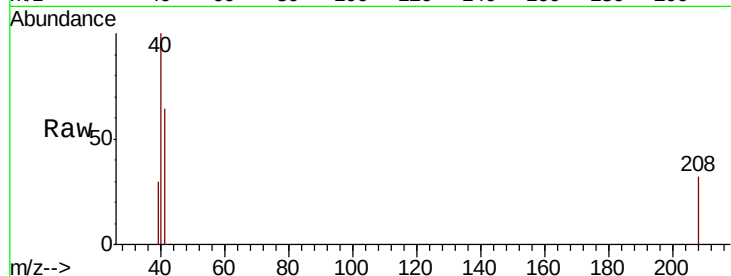




#48
Methyl methacrylate
Concen: 1.431 ug/l
RT: 9.38 min Scan# 1268
Delta R.T. -0.08 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

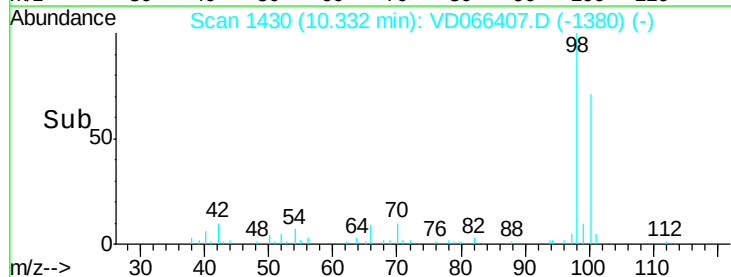
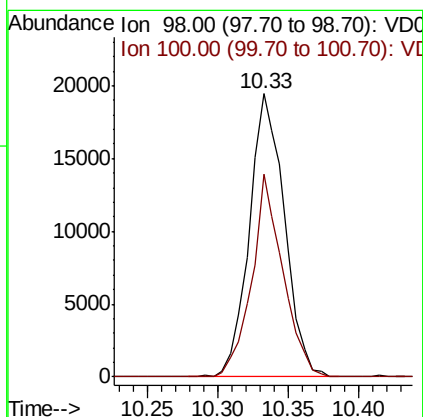
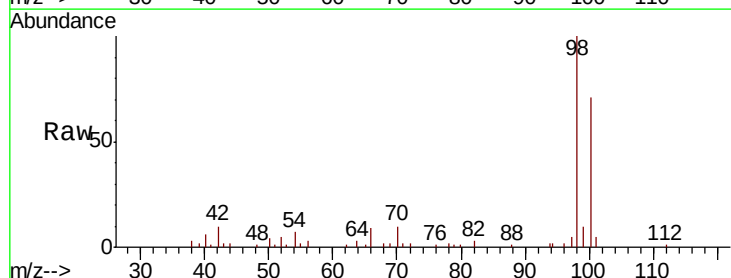
Instrument :
MSVOA_D
ClientSampleId :
20071RE

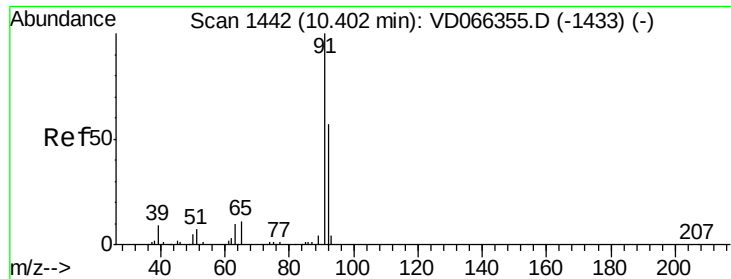
Tot Ion: 41 Resp: 366
Ion Ratio Lower Upper
41 100
69 0.0 75.5 113.3#
39 0.0 57.0 85.4#



#50
Toluene-d8
Concen: 18.637 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Tgt Ion: 98 Resp: 33953
Ion Ratio Lower Upper
98 100
100 63.4 53.0 79.4





#52

Toluene

Concen: 4.106 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

Instrument :

MSVOA_D

ClientSampleId :

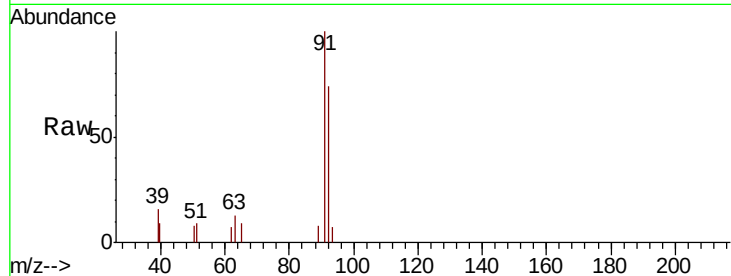
20071RE

Tot Ion: 92 Resp: 5317

Ion Ratio Lower Upper

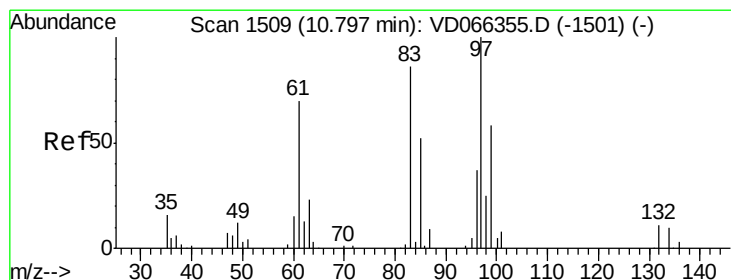
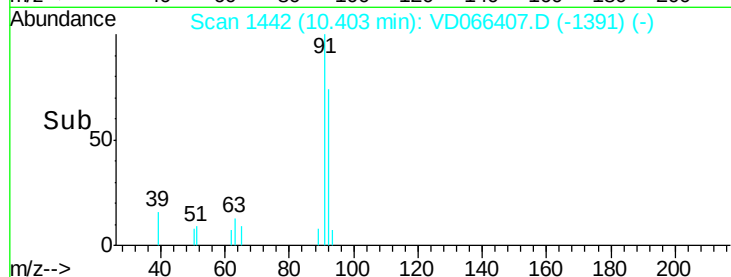
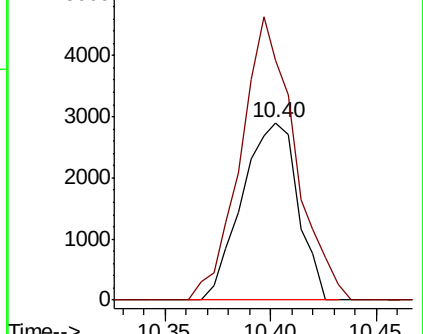
92 100

91 154.7 135.8 203.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#55

1,1,2-Trichloroethane

Concen: 3.486 ug/l

RT: 10.77 min Scan# 1505

Delta R.T. -0.02 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

Tgt Ion: 97 Resp: 1273

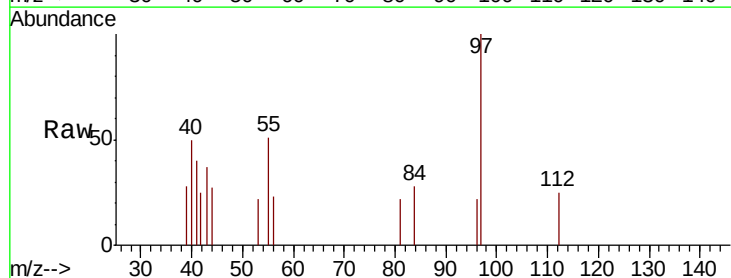
Ion Ratio Lower Upper

97 100

83 0.0 68.4 102.6#

85 0.0 41.3 61.9#

99 0.0 46.1 69.1#

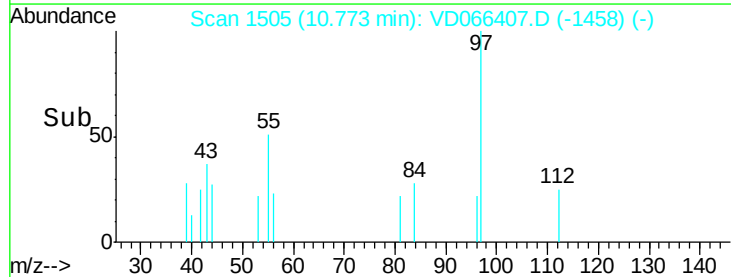
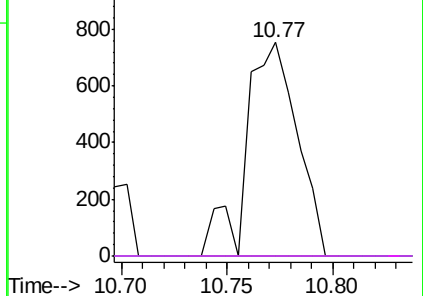


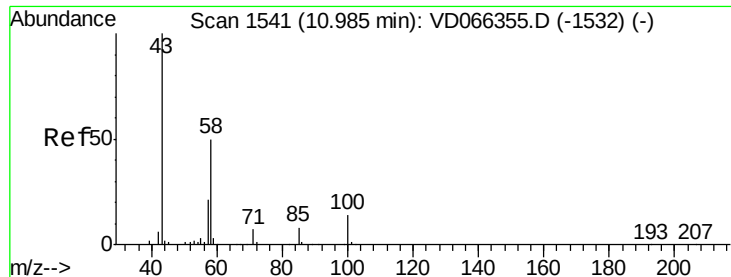
Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC





#59

2-Hexanone

Concen: 12.550 ug/l

RT: 10.84 min Scan# 1517

Delta R.T. -0.14 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

Instrument :

MSVOA_D

ClientSampleId :

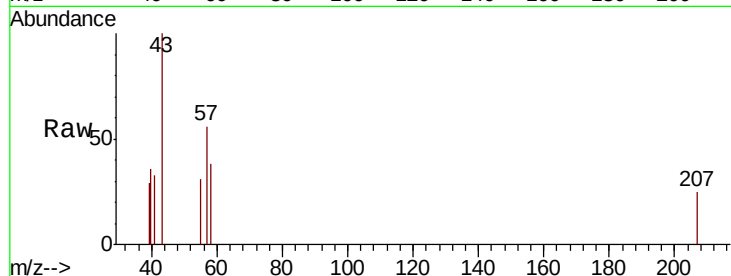
20071RE

Tot Ion: 43 Resp: 2124

Ion Ratio Lower Upper

43 100

58 30.5 26.3 78.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.84

800

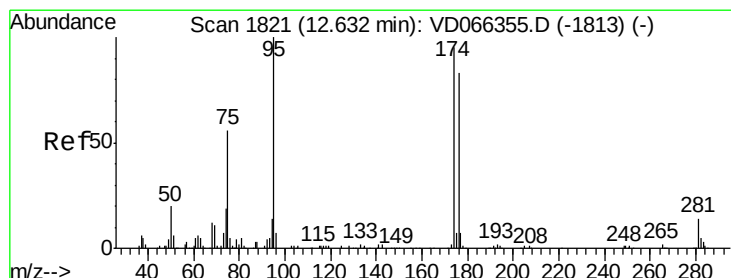
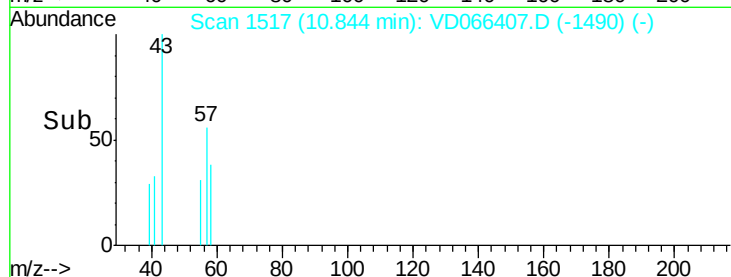
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 6.540 ug/l

RT: 12.63 min Scan# 1820

Delta R.T. -0.01 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

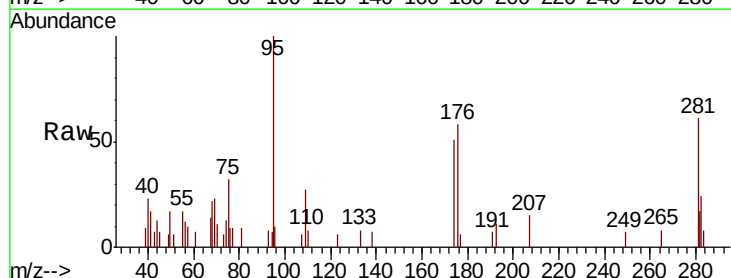
Tgt Ion: 95 Resp: 4228

Ion Ratio Lower Upper

95 100

174 84.2 0.0 183.4

176 84.9 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

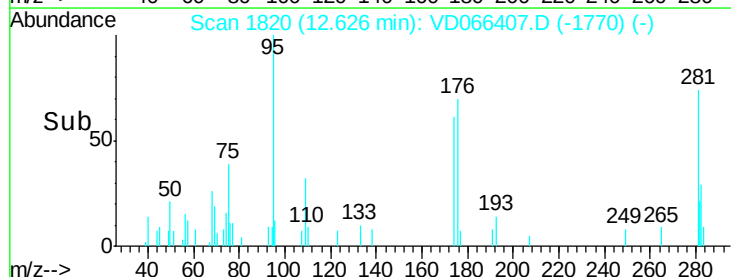
3000

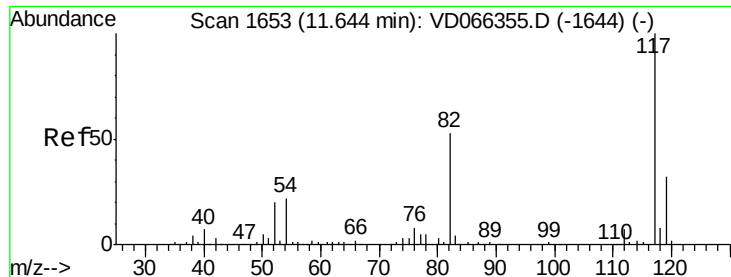
2000

1000

0

Time-->

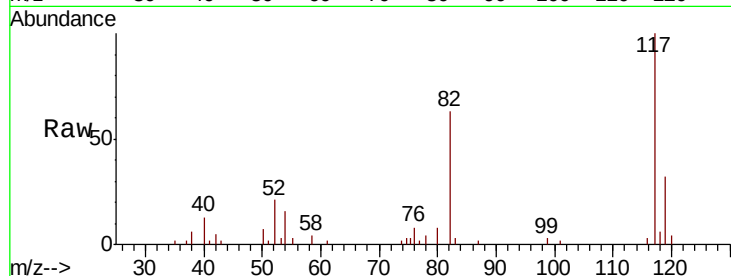




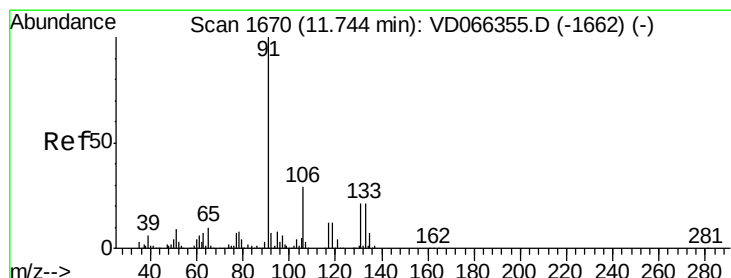
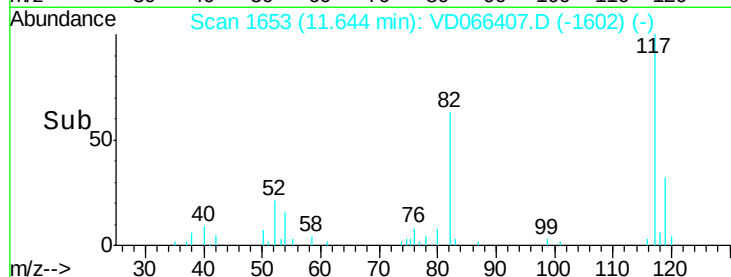
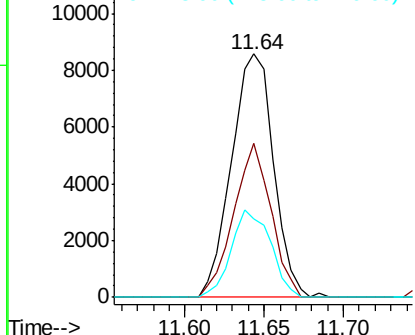
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Instrument :
MSVOA_D
ClientSampleId :
20071RE

Tot Ion:117 Resp: 15792
Ion Ratio Lower Upper
117 100
82 63.1 42.8 64.2
119 32.2 25.8 38.8

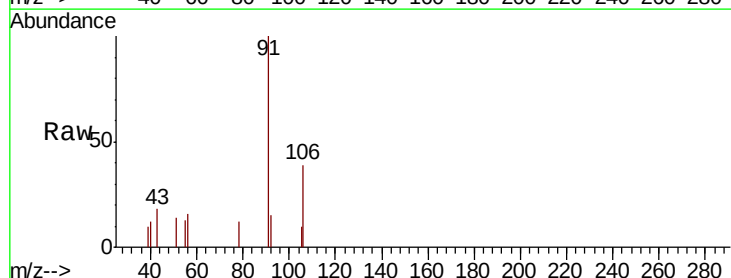


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VDC
Ion 118.90 (118.60 to 119.60): V

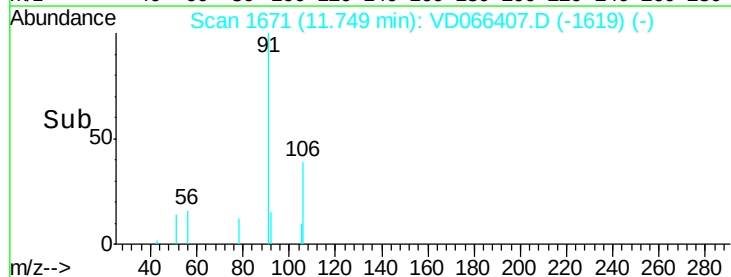
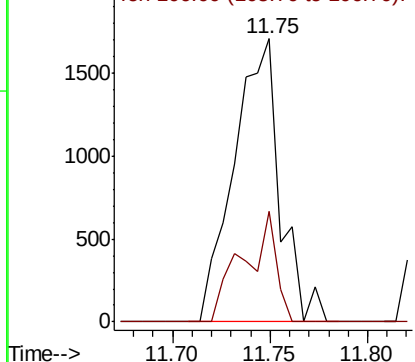


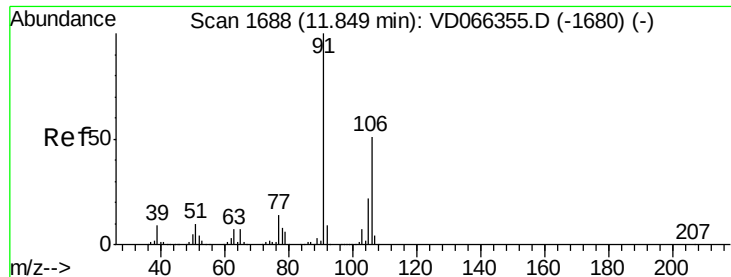
#67
Ethyl Benzene
Concen: 5.038 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Tgt Ion: 91 Resp: 2786
Ion Ratio Lower Upper
91 100
106 39.3 23.4 35.2#



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.00 (105.70 to 106.70): V

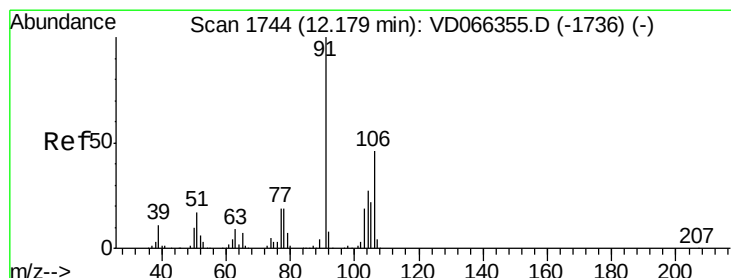
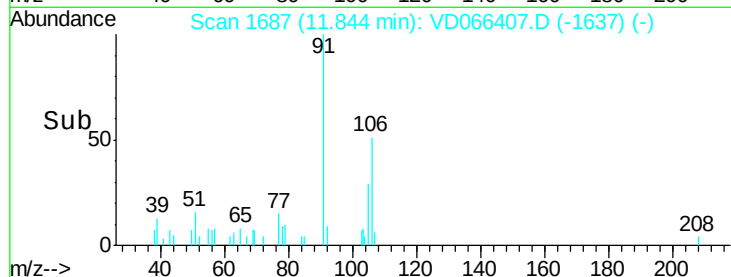
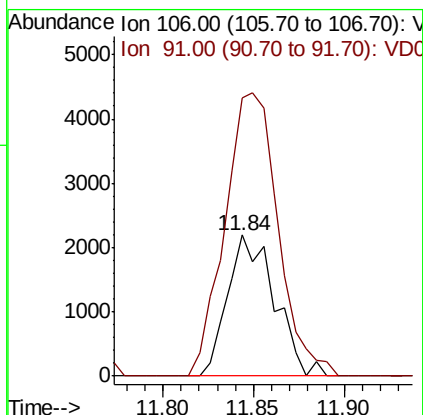
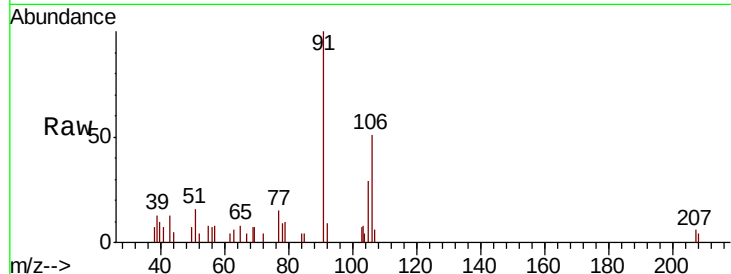




#68
m/p-Xylenes
Concen: 18.758 ug/l
RT: 11.84 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

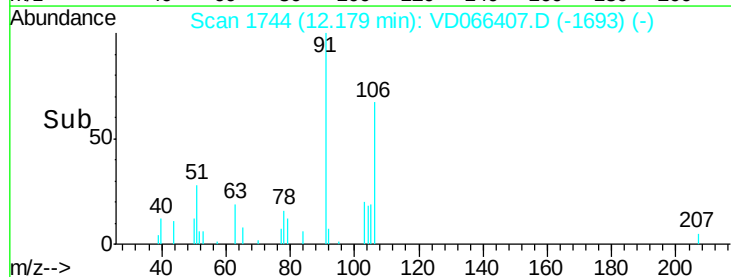
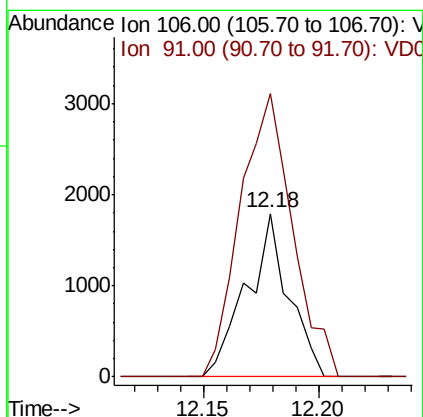
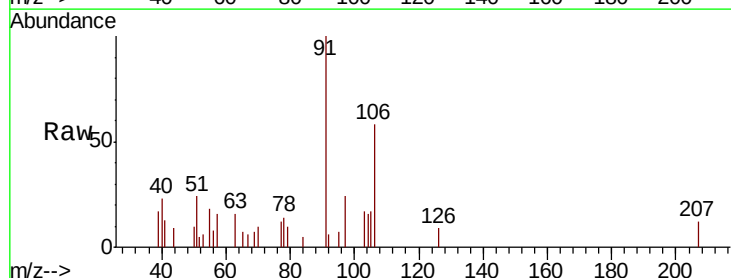
Instrument :
MSVOA_D
ClientSampleId :
20071RE

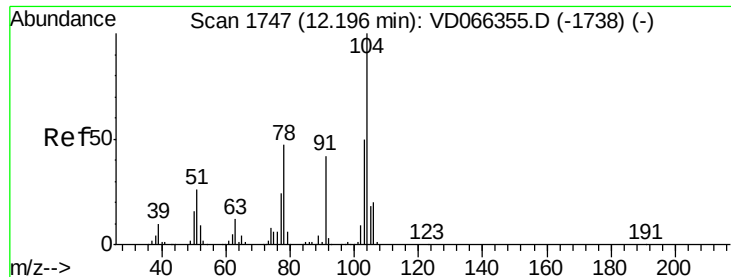
Tot Ion:106 Resp: 3954
Ion Ratio Lower Upper
106 100
91 227.6 160.7 241.1



#69
o-Xylene
Concen: 11.586 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Tgt Ion:106 Resp: 2272
Ion Ratio Lower Upper
106 100
91 216.2 109.1 327.3

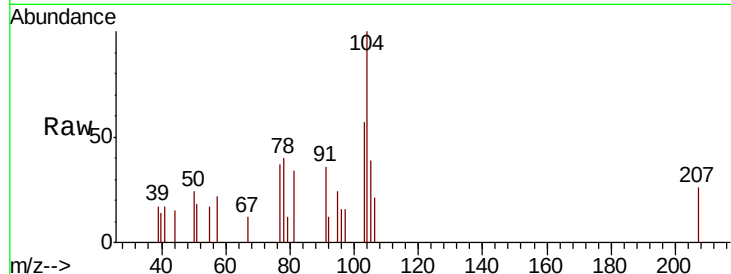




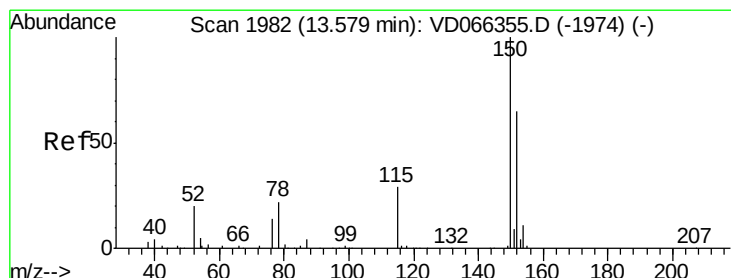
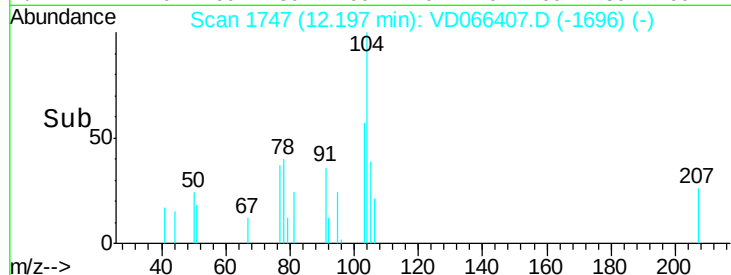
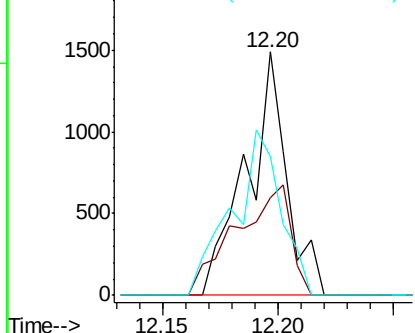
#70
Stvrene
Concen: 5.402 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Instrument :
MSVOA_D
ClientSampleId :
20071RE

Tot Ion	Ratio	Lower	Upper
104	100		
78	61.1	41.7	62.5
103	81.0	43.5	65.3#

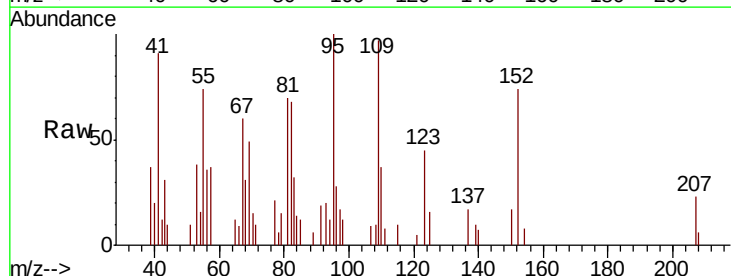


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

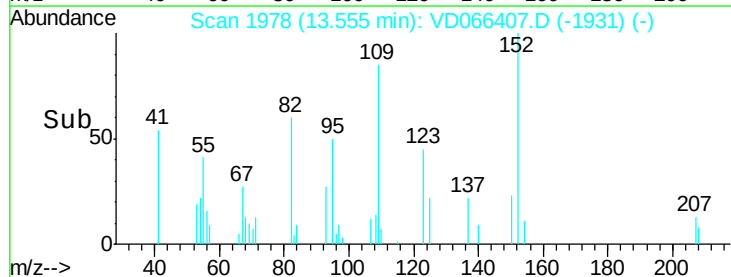
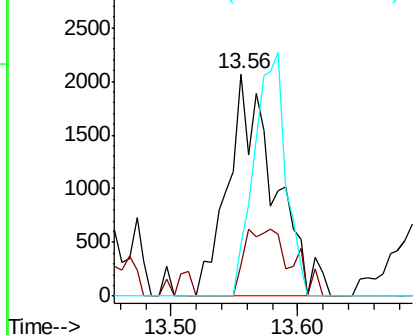


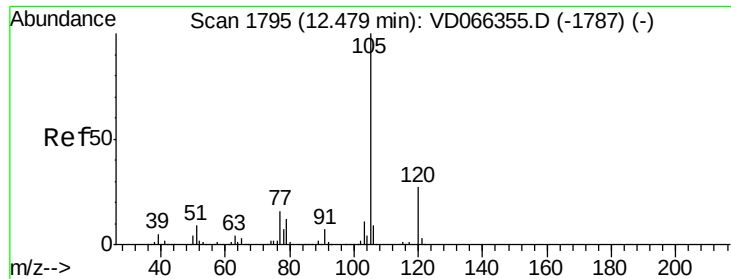
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1978
Delta R.T. -0.02 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	30.0	28.3	85.0
150	0.0	0.0	343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.701 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

Instrument :

MSVOA_D

ClientSampleId :

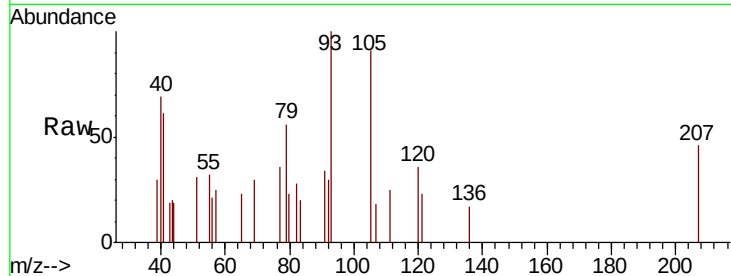
20071RE

Tot Ion:105 Resp: 1310

Ion Ratio Lower Upper

105 100

120 20.1 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

800

600

400

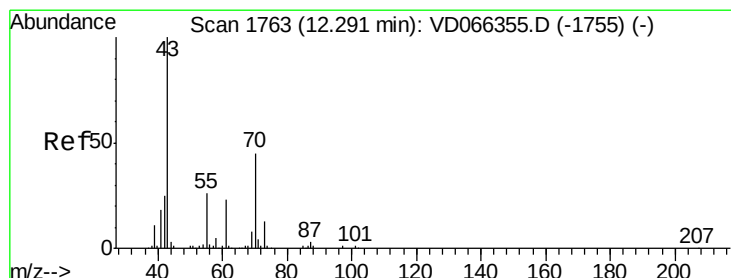
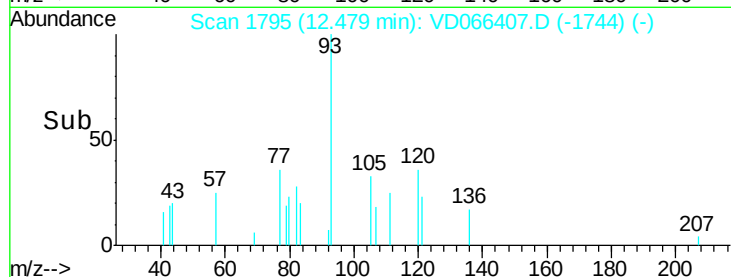
200

0

12.45

12.50

Time-->



#74

N-ethyl acetate

Concen: 4.083 ug/l

RT: 12.30 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

Tgt Ion: 43 Resp: 261

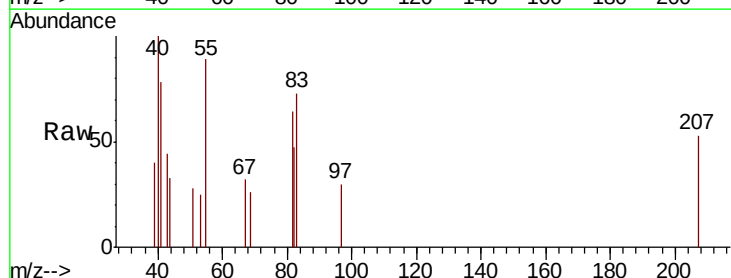
Ion Ratio Lower Upper

43 100

70 0.0 34.8 52.2#

55 497.7 20.3 30.5#

61 0.0 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

1500

1000

500

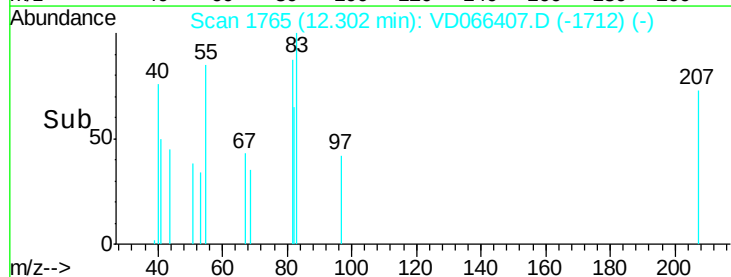
0

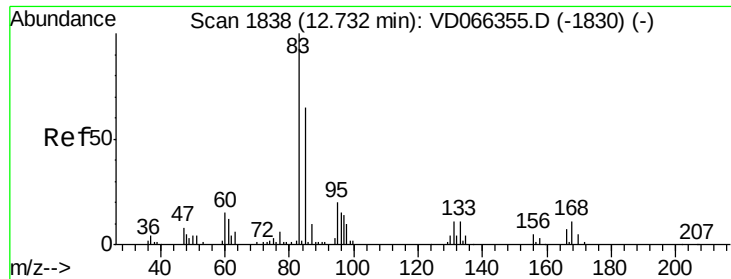
12.28

12.30

12.32

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 14.971 ug/l

RT: 12.70 min Scan# 1833

Delta R.T. -0.03 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

Instrument :

MSVOA_D

ClientSampleId :

20071RE

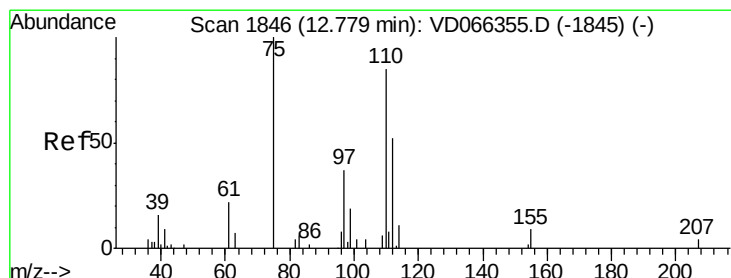
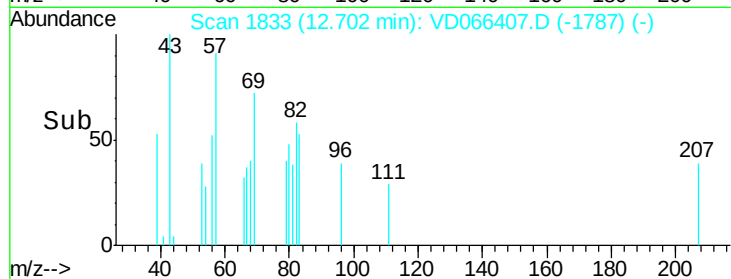
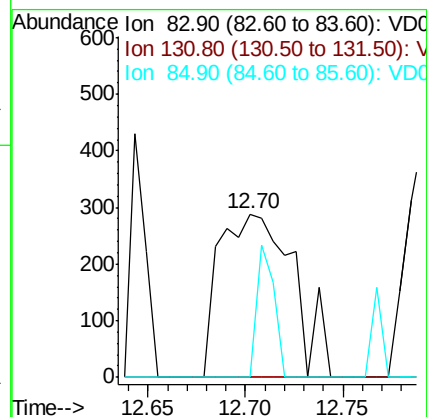
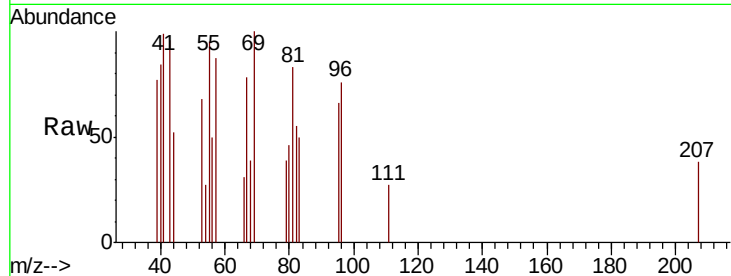
Tot Ion: 83 Resp: 757

Ion Ratio Lower Upper

83 100

131 0.0 7.0 20.9#

85 18.6 32.4 97.0#



#76

1,2,3-Trichloropropane

Concen: 12.213 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.05 min

Lab File: VD066407.D

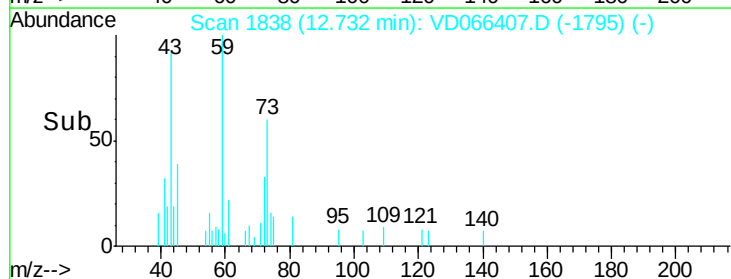
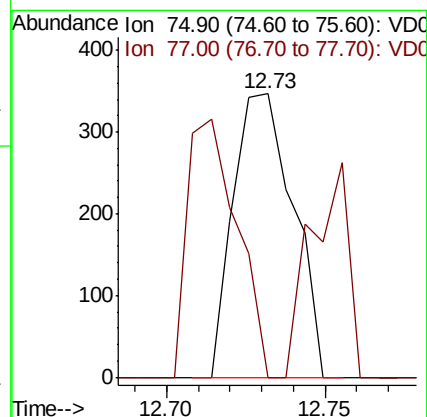
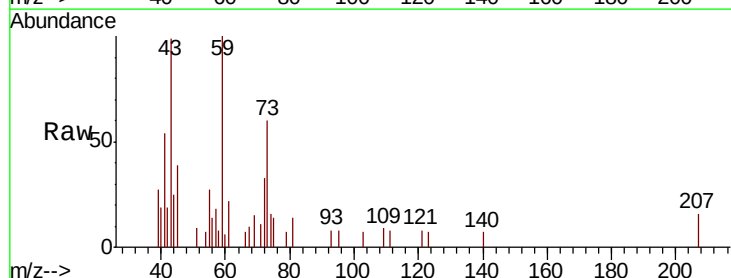
Acq: 25 Aug 2020 17:29

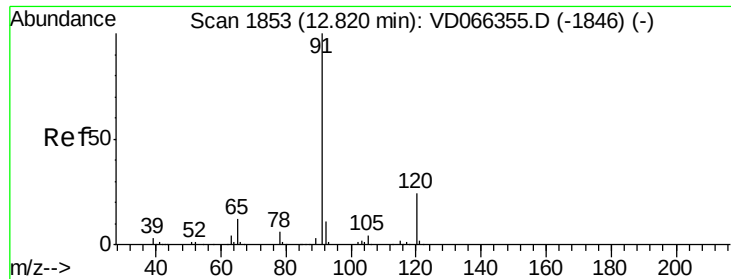
Tgt Ion: 75 Resp: 454

Ion Ratio Lower Upper

75 100

77 75.6 182.9 548.9#





#78

n-propylbenzene

Concen: 5.738 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

Instrument :

MSVOA_D

ClientSampleId :

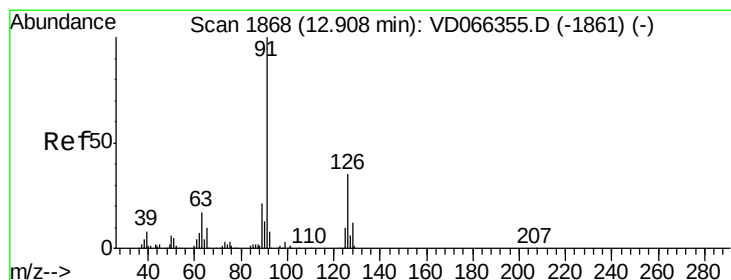
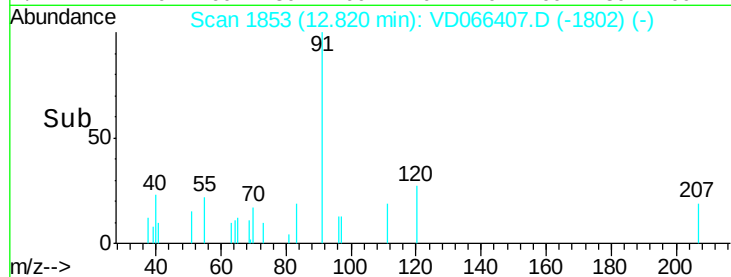
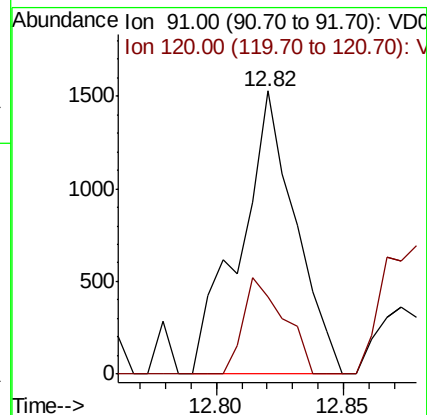
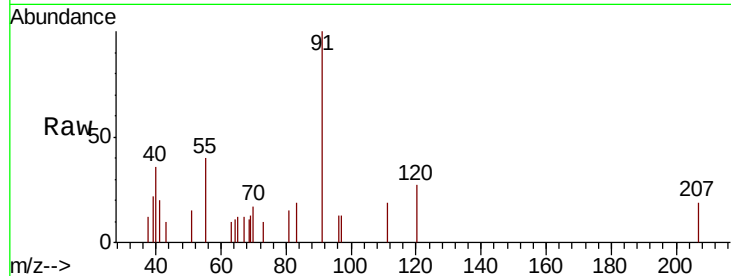
20071RE

Tot Ion: 91 Resp: 2329

Ion Ratio Lower Upper

91 100

120 25.0 12.0 36.0



#79

2-Chlorotoluene

Concen: 4.482 ug/l

RT: 12.89 min Scan# 1865

Delta R.T. -0.02 min

Lab File: VD066407.D

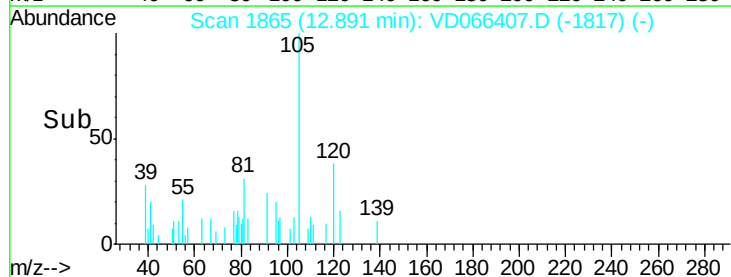
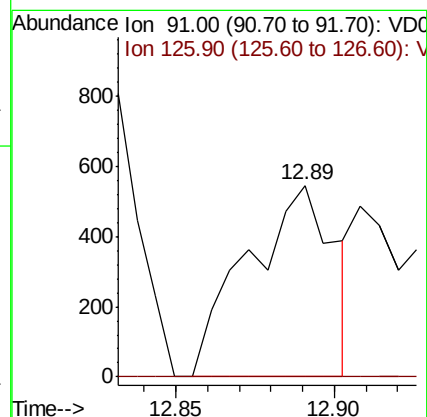
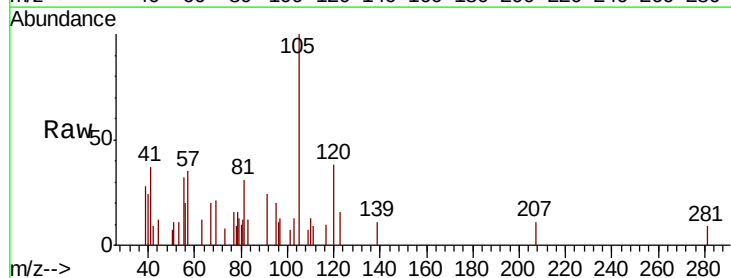
Acq: 25 Aug 2020 17:29

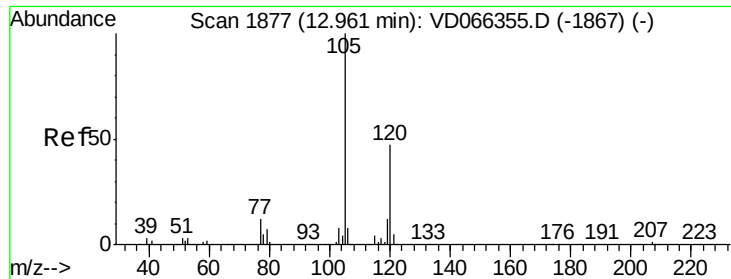
Tgt Ion: 91 Resp: 1039

Ion Ratio Lower Upper

91 100

126 0.0 17.7 53.1#

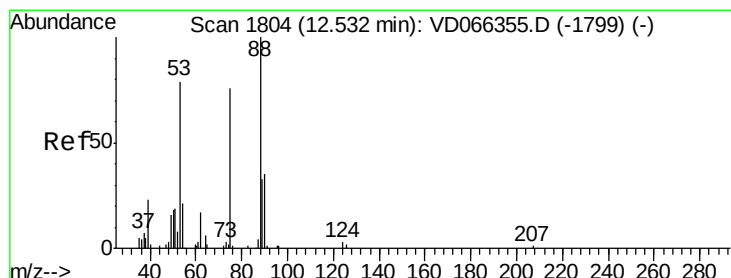
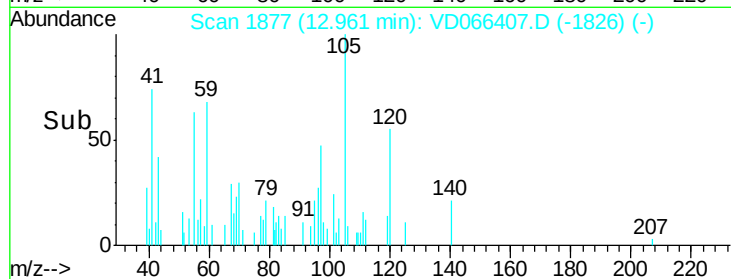
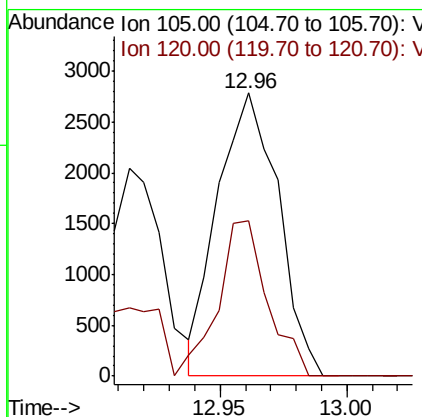
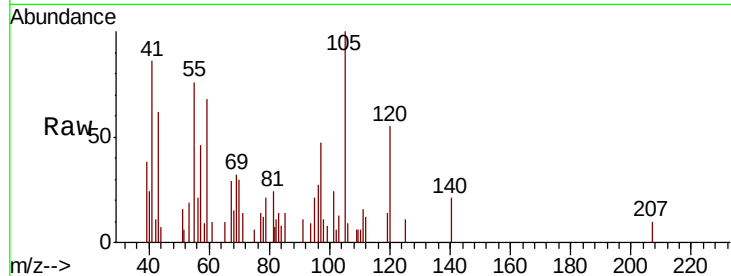




#80
 1,3,5-Trimethylbenzene
 Concen: 15.110 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066407.D
 Acq: 25 Aug 2020 17:29

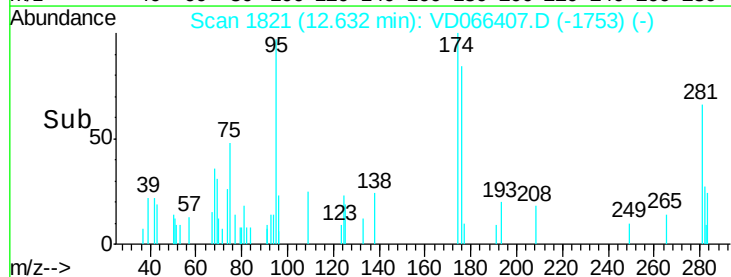
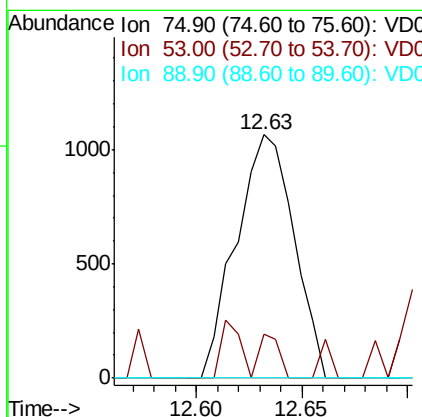
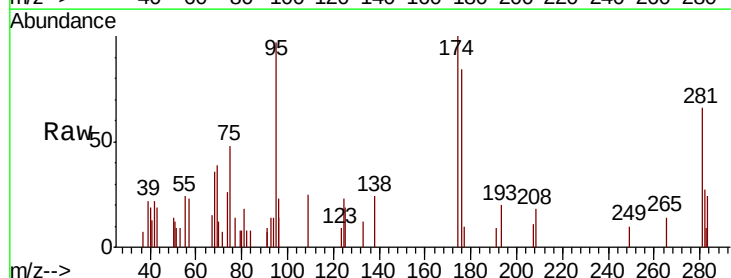
Instrument :
 MSVOA_D
 ClientSampleId :
 20071RE

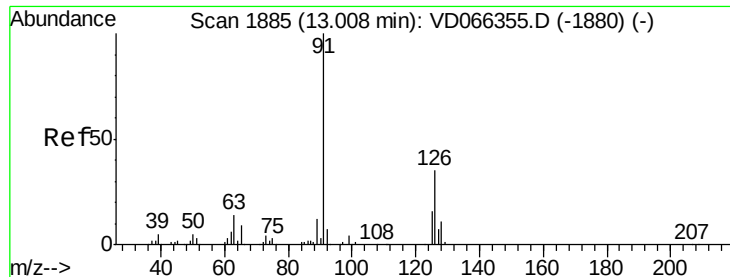
Tot Ion:105 Resp: 4618
 Ion Ratio Lower Upper
 105 100
 120 44.9 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.461 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066407.D
 Acq: 25 Aug 2020 17:29

Tgt Ion: 75 Resp: 2022
 Ion Ratio Lower Upper
 75 100
 53 6.2 87.4 131.2#
 89 0.0 39.4 59.0#

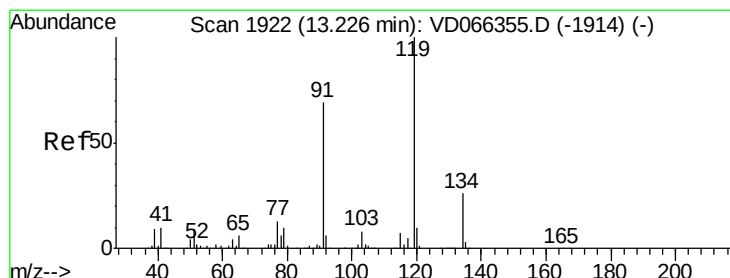
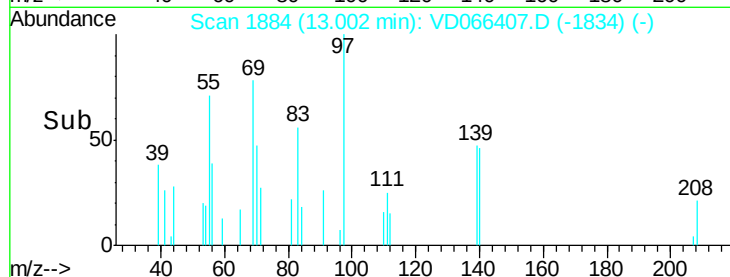
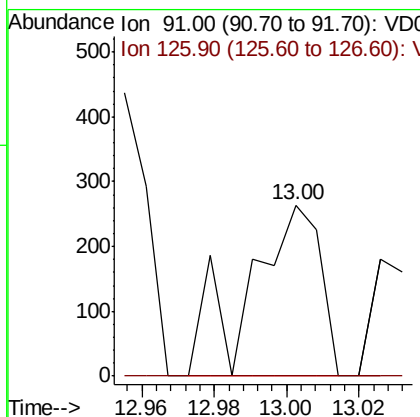
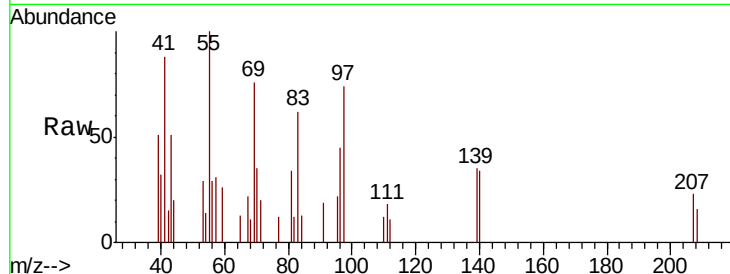




#82
4-Chlorotoluene
Concen: 1.474 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.01 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

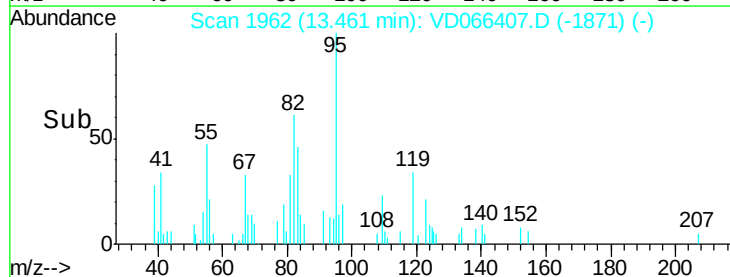
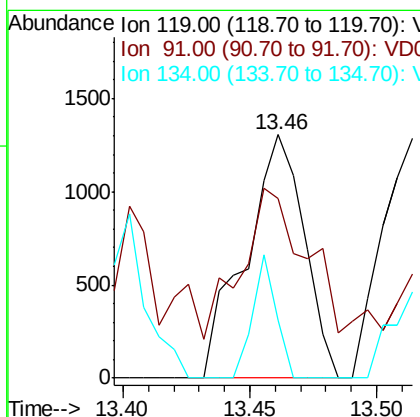
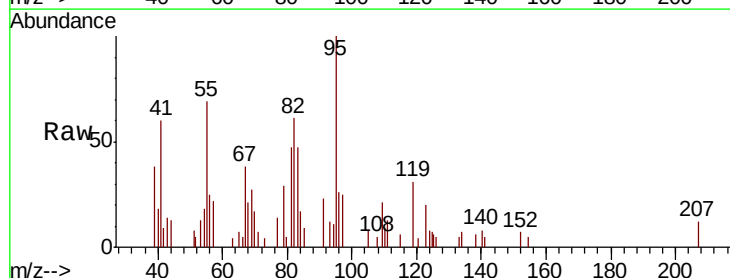
Instrument :
MSVOA_D
ClientSampled :
20071RE

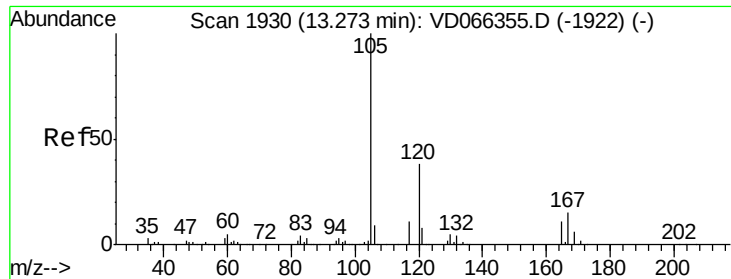
Tot Ion: 91 Resp: 362
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.2#



#83
tert-Butylbenzene
Concen: 7.964 ug/l
RT: 13.46 min Scan# 1962
Delta R.T. 0.24 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Tgt Ion: 119 Resp: 2114
Ion Ratio Lower Upper
119 100
91 68.7 33.5 100.5
134 20.1 13.5 40.4





#84

1,2,4-Trimethylbenzene

Concen: 36.761 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

Instrument :

MSVOA_D

ClientSampleId :

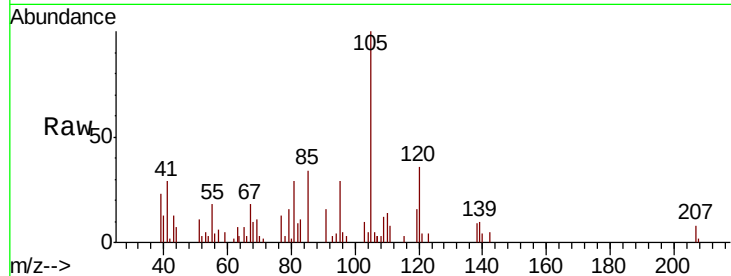
20071RE

Tot Ion:105 Resp: 11035

Ion Ratio Lower Upper

105 100

120 39.1 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.27

6000

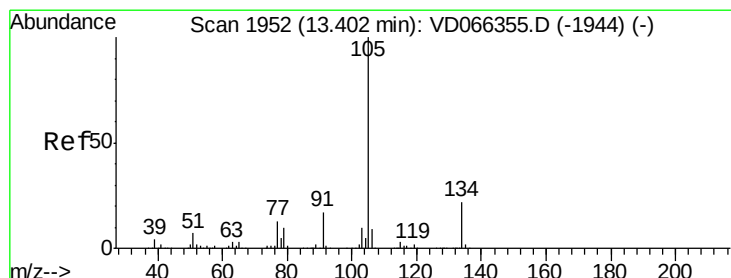
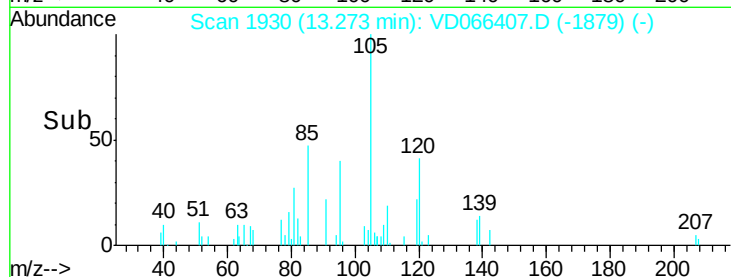
4000

2000

0

13.20 13.25 13.30 13.35

Time-->



#85

sec-Butylbenzene

Concen: 9.428 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD066407.D

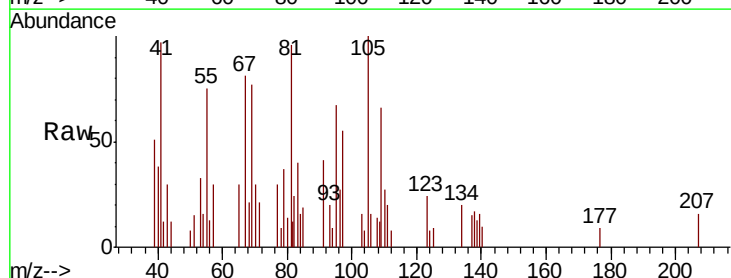
Acq: 25 Aug 2020 17:29

Tgt Ion:105 Resp: 3279

Ion Ratio Lower Upper

105 100

134 31.7 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

2000

1500

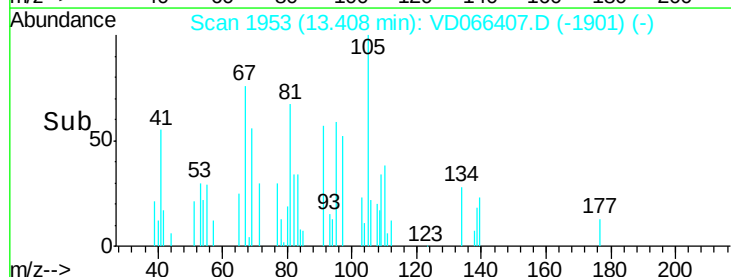
1000

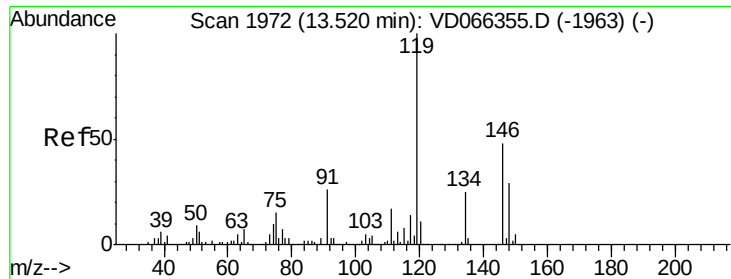
500

0

13.35 13.40 13.45

Time-->

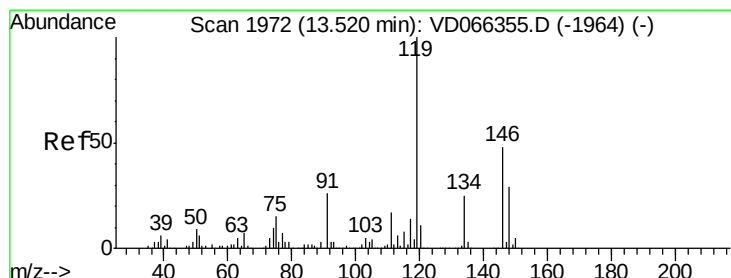
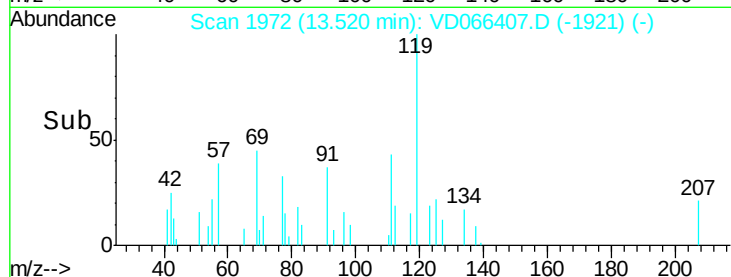
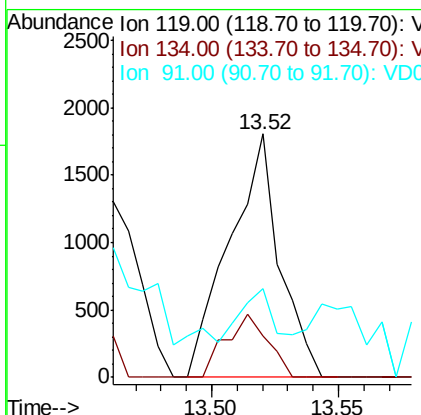
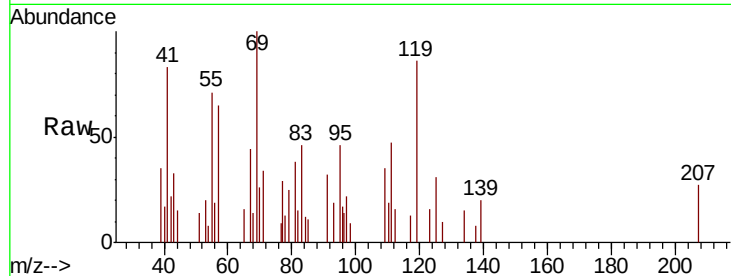




#86
 p-Isopropyltoluene
 Concen: 7.443 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066407.D
 Acq: 25 Aug 2020 17:29

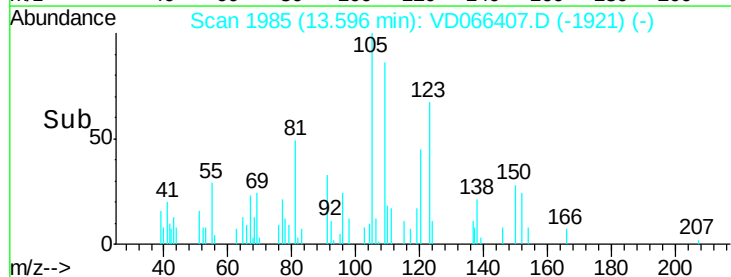
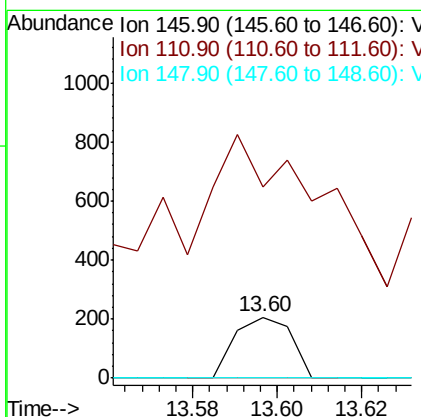
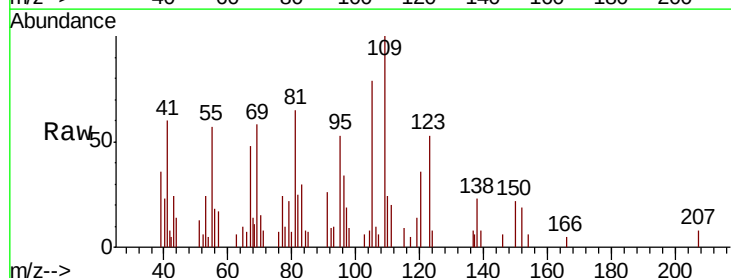
Instrument :
 MSVOA_D
 ClientSampleId :
 20071RE

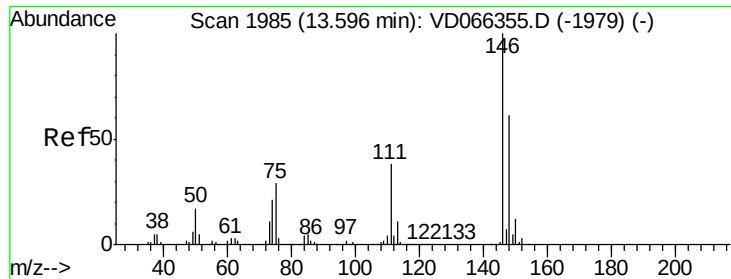
Tot Ion:119 Resp: 2496
 Ion Ratio Lower Upper
 119 100
 134 21.6 12.8 38.3
 91 13.7 12.7 38.0



#87
 1,3-Dichlorobenzene
 Concen: 1.139 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.08 min
 Lab File: VD066407.D
 Acq: 25 Aug 2020 17:29

Tgt Ion:146 Resp: 191
 Ion Ratio Lower Upper
 146 100
 111 930.4 18.9 56.9#
 148 0.0 31.8 95.3#





#88

1,4-Dichlorobenzene

Concen: 1.134 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

Instrument :

MSVOA_D

ClientSampleId :

20071RE

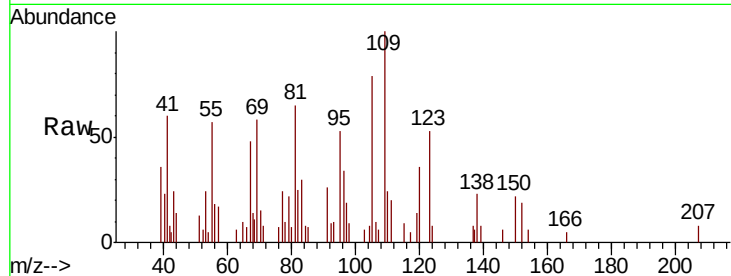
Tot Ion:146 Resp: 191

Ion Ratio Lower Upper

146 100

111 930.4 19.1 57.5#

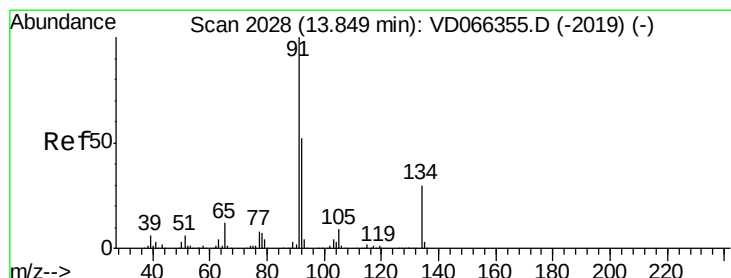
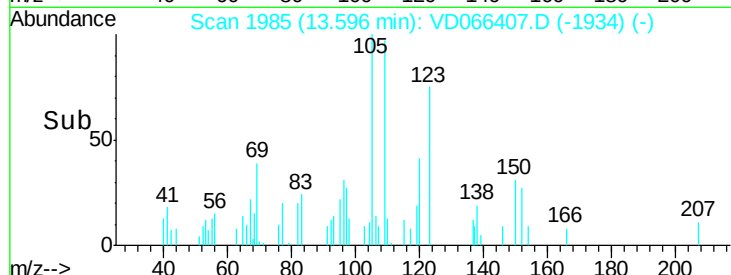
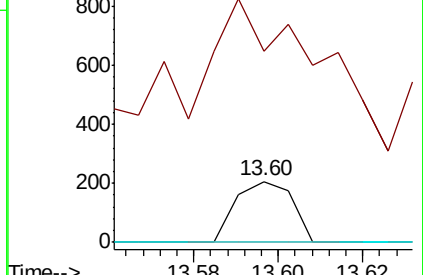
148 0.0 32.1 96.3#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 4.913 ug/l

RT: 13.84 min Scan# 2026

Delta R.T. -0.01 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

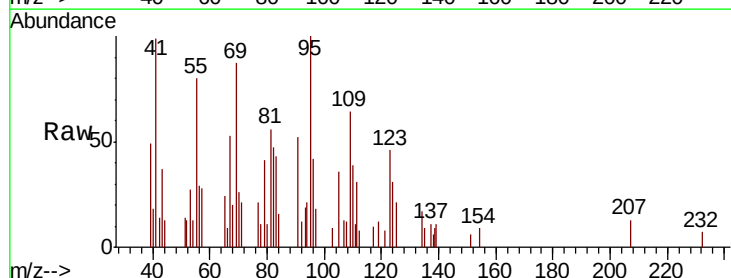
Tgt Ion: 91 Resp: 1454

Ion Ratio Lower Upper

91 100

92 96.8 26.4 79.0#

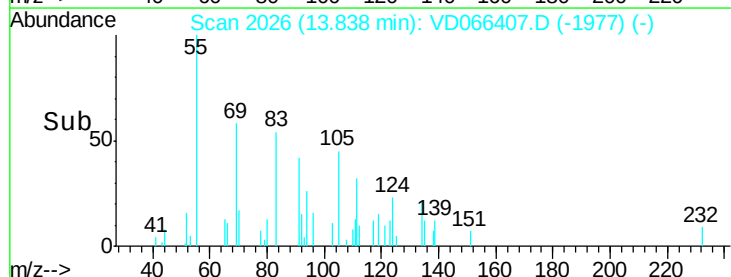
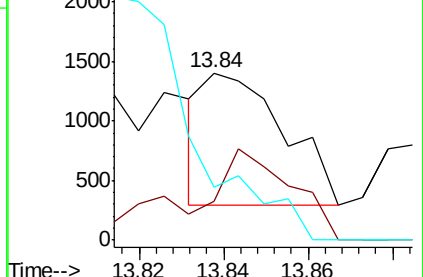
134 0.0 14.4 43.4#

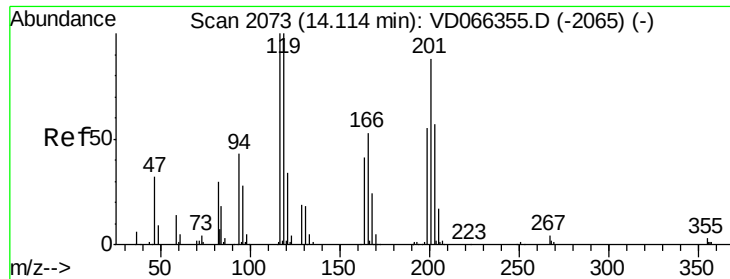


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 9.902 ug/l

RT: 14.13 min Scan# 2075

Delta R.T. 0.01 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

Instrument :

MSVOA_D

ClientSampleId :

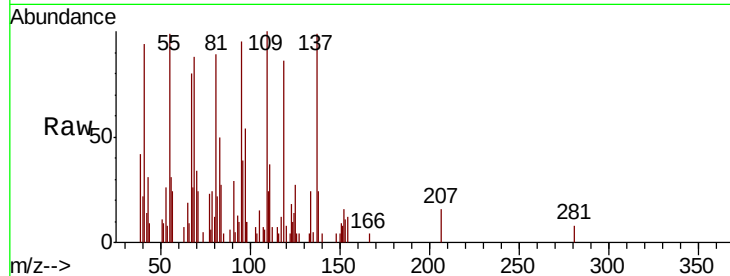
20071RE

Tot Ion:117 Resp: 656

Ion Ratio Lower Upper

117 100

201 0.0 45.4 136.2#



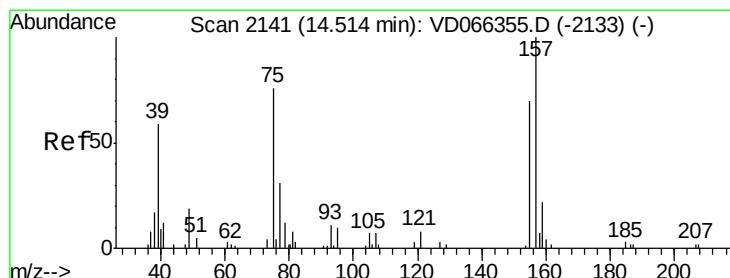
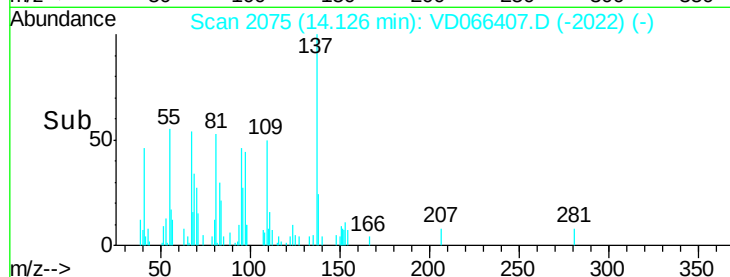
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.13

14.15

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.424 ug/l

RT: 14.53 min Scan# 2144

Delta R.T. 0.02 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

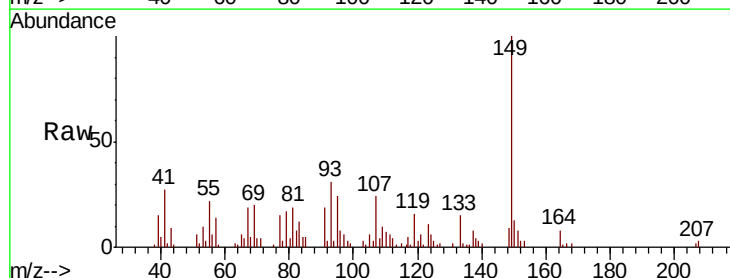
Tgt Ion: 75 Resp: 206

Ion Ratio Lower Upper

75 100

155 0.0 46.9 140.6#

157 0.0 61.0 183.0#



Abundance Ion 74.90 (74.60 to 75.60): V

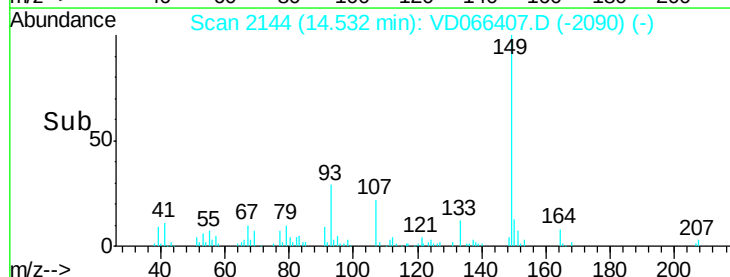
Ion 154.80 (154.50 to 155.50): V

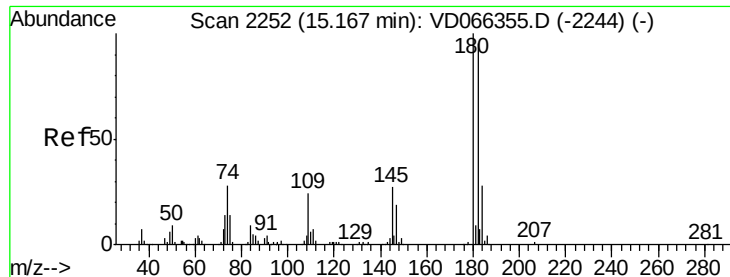
Ion 156.80 (156.50 to 157.50): V

14.53

14.56

Time-->





#93

1,2,4-Trichlorobenzene

Concen: 19.235 ug/l

RT: 15.16 min Scan# 2251

Delta R.T. -0.01 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

Instrument :

MSVOA_D

ClientSampleId :

20071RE

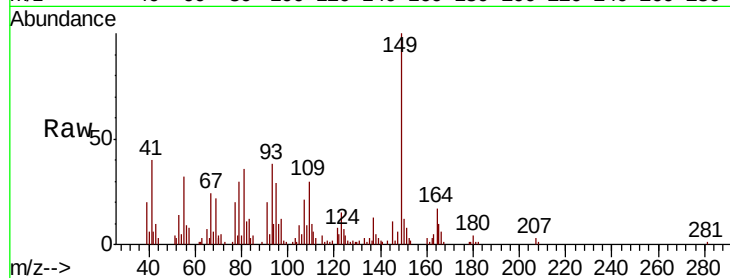
Tot Ion:180 Resp: 2168

Ion Ratio Lower Upper

180 100

182 0.0 48.0 144.0#

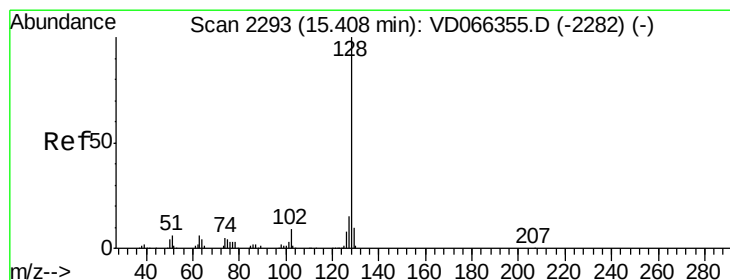
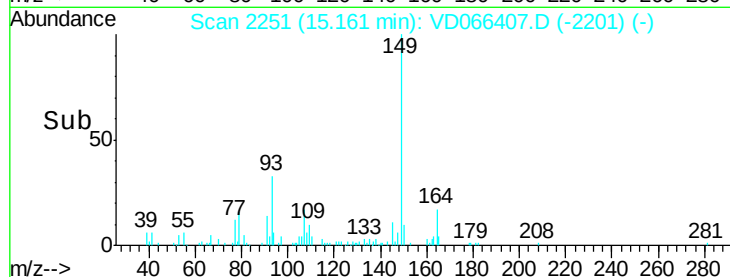
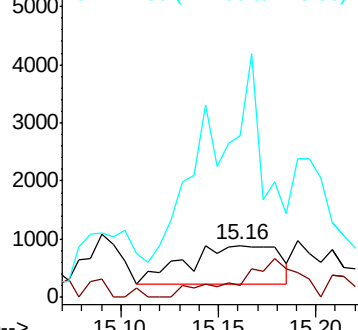
145 196.8 15.2 45.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 56.421 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

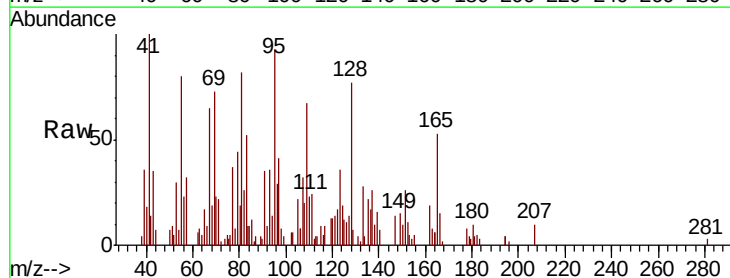
Tgt Ion:128 Resp: 9988

Ion Ratio Lower Upper

128 100

127 25.7 10.7 16.1#

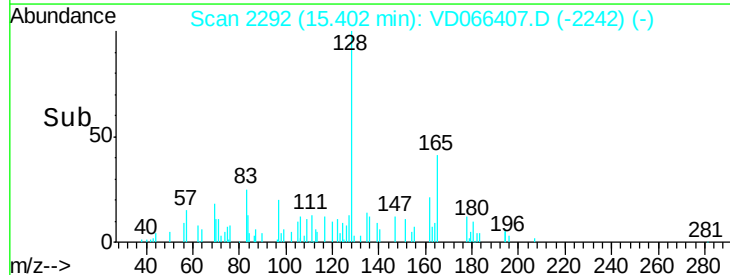
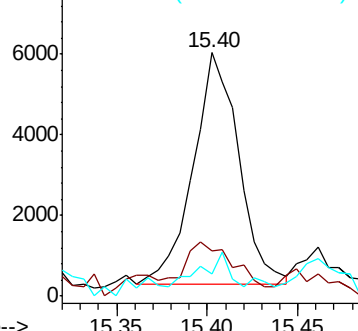
129 8.6 8.6 12.8

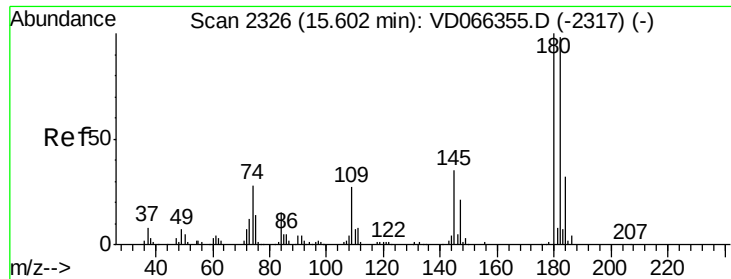


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 28.938 ug/l
 RT: 15.61 min Scan# 2327
 Delta R.T. 0.01 min
 Lab File: VD066407.D
 Acq: 25 Aug 2020 17:29

Instrument :
 MSVOA_D
 ClientSampleId :
 20071RE

Tot Ion:180 Resp: 2794
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.7 140.0#
 145 0.0 16.0 48.0#

